

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054392.D
 Acq On : 18 Mar 2019 14:27
 Operator : JC/SP
 Sample : VN0318WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 05:11:41 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	1273733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2010762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1727138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	746073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	711942	52.63	ug/l	0.00
Spiked Amount						
			Recovery	=	105.26%	
35) Dibromofluoromethane	7.59	113	668998	51.59	ug/l	0.00
Spiked Amount						
			Recovery	=	103.18%	
50) Toluene-d8	10.09	98	2406795	50.25	ug/l	0.00
Spiked Amount						
			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	786156	46.91	ug/l	0.00
Spiked Amount						
			Recovery	=	93.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	253616	21.009	ug/l	100
3) Chloromethane	2.06	50	231783	19.766	ug/l	99
4) Vinyl Chloride	2.19	62	261425	19.505	ug/l	99
5) Bromomethane	2.57	94	169826	18.295	ug/l	99
6) Chloroethane	2.71	64	157829	19.463	ug/l	100
7) Trichlorofluoromethane	3.02	101	340861	19.129	ug/l	100
8) Diethyl Ether	3.41	74	175987	21.673	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	277137	20.754	ug/l	99
10) Methyl Iodide	3.94	142	383522	21.116	ug/l	99
11) Tert butyl alcohol	4.82	59	76577	82.577	ug/l	99
12) 1,1-Dichloroethene	3.73	96	274483	20.743	ug/l	98
13) Acrolein	3.60	56	65486	74.523	ug/l	99
14) Allyl chloride	4.32	41	335330	19.751	ug/l	98
15) Acrylonitrile	4.99	53	433225	113.730	ug/l	100
16) Acetone	3.82	43	298778	77.142	ug/l	100
17) Carbon Disulfide	4.04	76	524196	15.802	ug/l	100
18) Methyl Acetate	4.33	43	206407	26.341	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	720382	21.963	ug/l	99
20) Methylene Chloride	4.55	84	281555	22.139	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	263464	20.780	ug/l	98
22) Diisopropyl ether	5.96	45	763170	22.522	ug/l	98
23) Vinyl Acetate	5.90	43	2554570	102.250	ug/l	99
24) 1,1-Dichloroethane	5.85	63	476807	21.915	ug/l	99
25) 2-Butanone	6.85	43	484582	106.599	ug/l	100
26) 2,2-Dichloropropane	6.82	77	308856	16.143	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	317520	22.448	ug/l	96
28) Bromochloromethane	7.19	49	196328	22.073	ug/l	99
29) Tetrahydrofuran	7.22	42	318753	109.057	ug/l	99
30) Chloroform	7.37	83	511060	22.510	ug/l	100
31) Cyclohexane	7.65	56	426162	20.220	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	424263	20.692	ug/l	99
36) 1,1-Dichloropropene	7.79	75	370955	20.033	ug/l	99
37) Ethyl Acetate	6.94	43	216299	20.329	ug/l	99
38) Carbon Tetrachloride	7.77	117	357255	18.397	ug/l	99

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Quant Time: Mar 19 05:11:41 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	421014	18.479	ug/l	99
40) Benzene	8.04	78	1115903	21.059	ug/l	99
41) Methacrylonitrile	7.18	41	110731	18.227	ug/l	91
42) 1,2-Dichloroethane	8.12	62	367630	20.549	ug/l	99
43) Isopropyl Acetate	8.17	43	355903	19.057	ug/l	98
44) Trichloroethene	8.84	130	328659	19.966	ug/l	100
45) 1,2-Dichloropropane	9.12	63	287350	21.839	ug/l	97
46) Dibromomethane	9.21	93	185011	20.811	ug/l	98
47) Bromodichloromethane	9.40	83	350629	19.673	ug/l	99
48) Methyl methacrylate	9.20	41	194376	20.509	ug/l	96
49) 1,4-Dioxane	9.20	88	47046	350.929	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1030245	104.240	ug/l	97
52) Toluene	10.16	92	710850	21.157	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	313997	16.778	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	384845	18.530	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	260648	21.246	ug/l	98
56) Ethyl methacrylate	10.43	69	296579	20.274	ug/l	98
57) 1,3-Dichloropropane	10.71	76	428651	21.368	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	560025	99.132	ug/l	98
59) 2-Hexanone	10.75	43	642896	97.758	ug/l	100
60) Dibromochloromethane	10.90	129	258947	18.753	ug/l	99
61) 1,2-Dibromoethane	11.01	107	259300	20.799	ug/l	100
64) Tetrachloroethene	10.63	164	333920	19.997	ug/l	99
65) Chlorobenzene	11.43	112	796300	20.998	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	279718	20.304	ug/l	97
67) Ethyl Benzene	11.51	91	1305991	20.775	ug/l	100
68) m/p-Xylenes	11.62	106	1020827	41.547	ug/l	100
69) o-Xylene	11.95	106	508594	21.234	ug/l	98
70) Styrene	11.96	104	776582	20.673	ug/l	100
71) Bromoform	12.13	173	160058	16.875	ug/l #	99
73) Isopropylbenzene	12.25	105	1330380	22.288	ug/l	100
74) N-amyl acetate	12.07	43	271213	20.470	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	296280	23.297	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	328678	29.958	ug/l #	100
77) Bromobenzene	12.53	156	351105	22.229	ug/l	94
78) n-propylbenzene	12.59	91	1393171	21.510	ug/l	100
79) 2-Chlorotoluene	12.67	91	852675	21.895	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1060174	21.353	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43808	13.650	ug/l #	75
82) 4-Chlorotoluene	12.77	91	826553	21.256	ug/l	99
83) tert-Butylbenzene	12.99	119	971755	21.264	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1069094	21.949	ug/l	100
85) sec-Butylbenzene	13.17	105	1199534	20.240	ug/l	100
86) p-Isopropyltoluene	13.29	119	1035471	19.915	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	553260	20.787	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	529862	20.266	ug/l	98
89) n-Butylbenzene	13.62	91	732468	18.541	ug/l	99
90) Hexachloroethane	13.88	117	142767	16.583	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	558691	21.473	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36201	18.395	ug/l	94

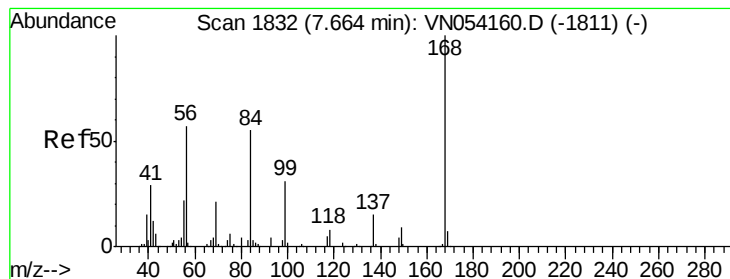
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	245687	17.370	ug/l	99
94) Hexachlorobutadiene	15.01	225	161978	16.344	ug/l	99
95) Naphthalene	15.13	128	559992	19.395	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	260878	18.871	ug/l	100

(#) = 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: VN054392.D

Acq: 18 Mar 2019 14:27

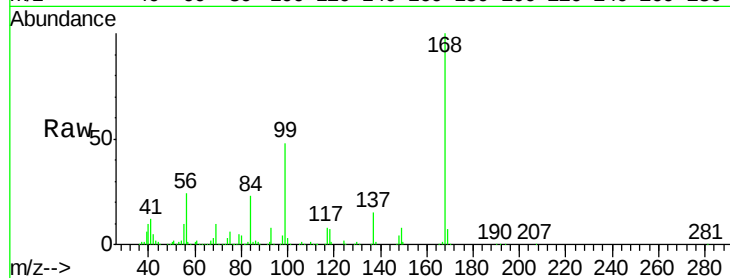
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1273733

Ion Ratio Lower Upper

168 100

99 46.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

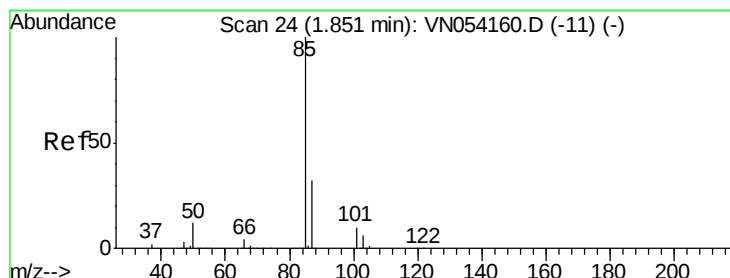
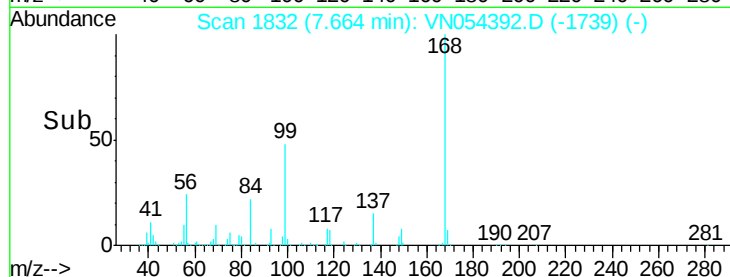
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.009 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054392.D

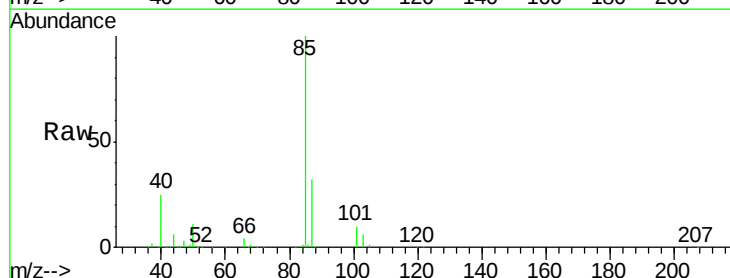
Acq: 18 Mar 2019 14:27

Tgt Ion: 85 Resp: 253616

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

100000

50000

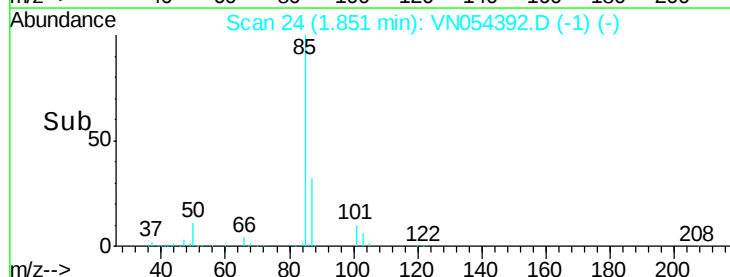
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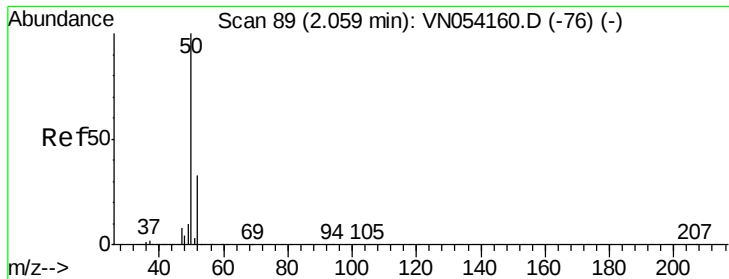
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.766 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

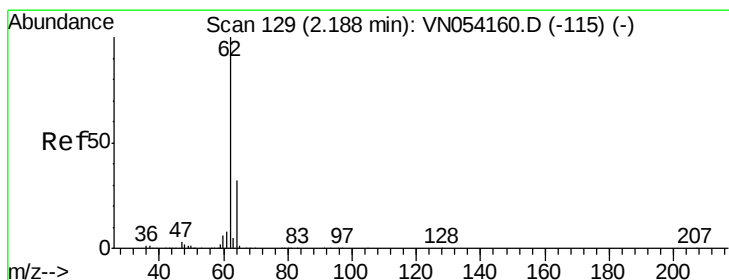
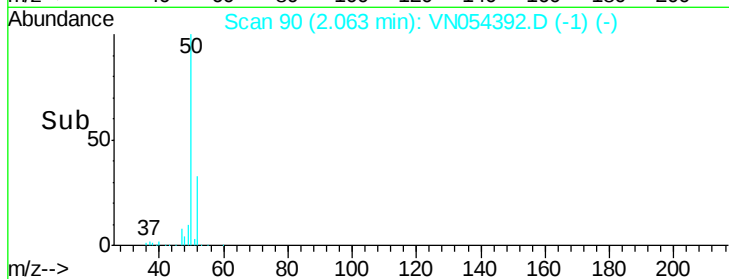
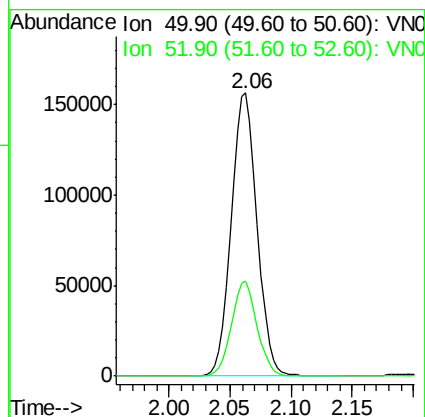
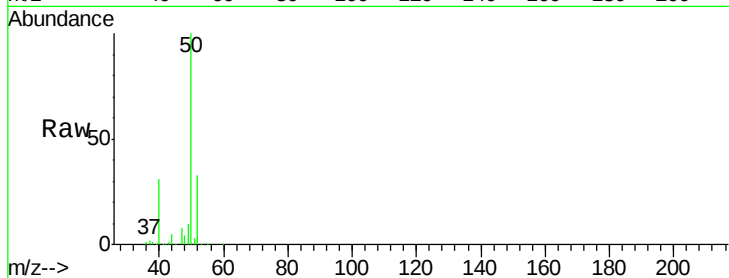
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 231783

Ion Ratio Lower Upper

50 100

52 33.4 26.4 39.6



#4

Vinyl Chloride

Concen: 19.505 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054392.D

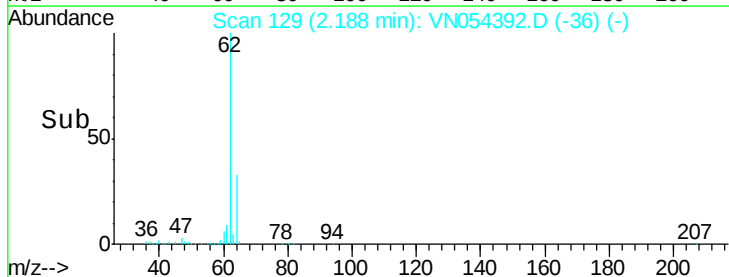
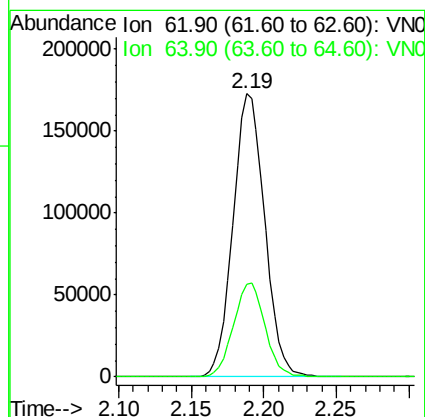
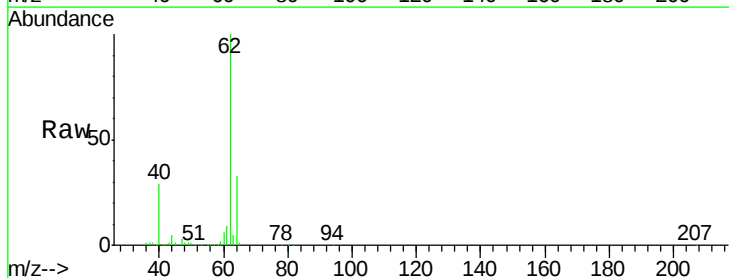
Acq: 18 Mar 2019 14:27

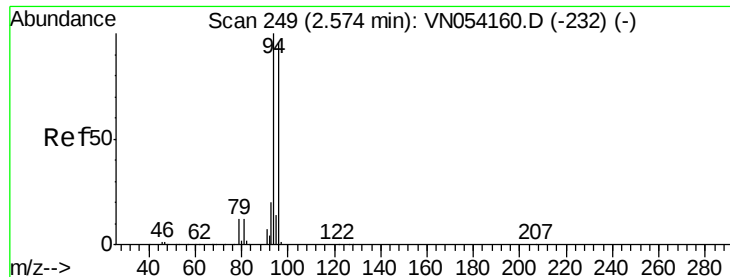
Tgt Ion: 62 Resp: 261425

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 18.295 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

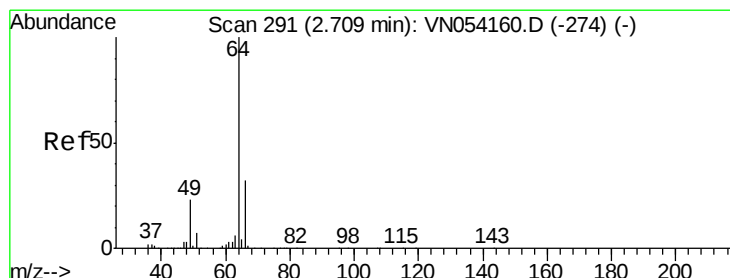
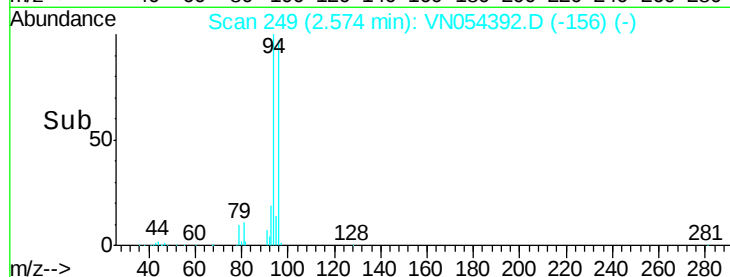
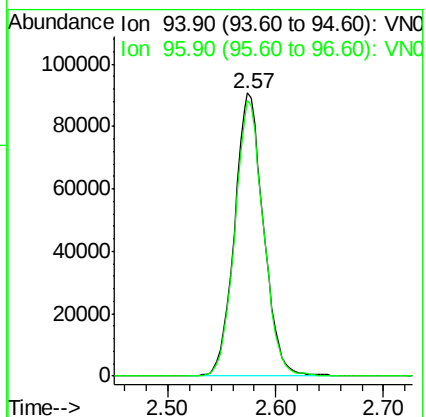
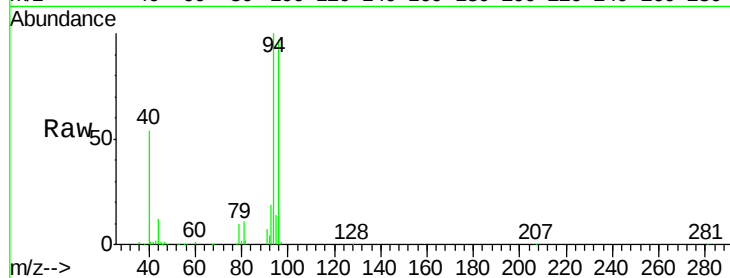
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 169826

Ion Ratio Lower Upper

94 100

96 97.2 77.0 115.4



#6

Chloroethane

Concen: 19.463 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054392.D

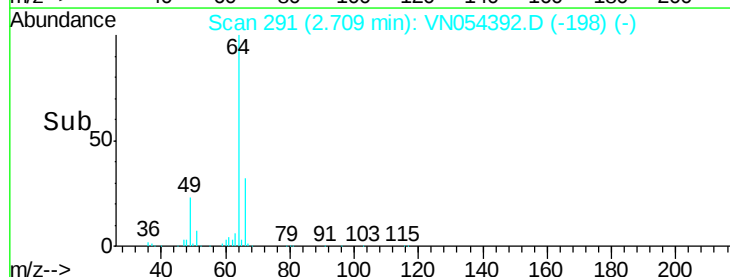
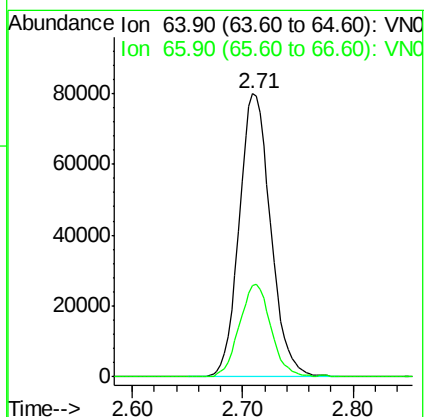
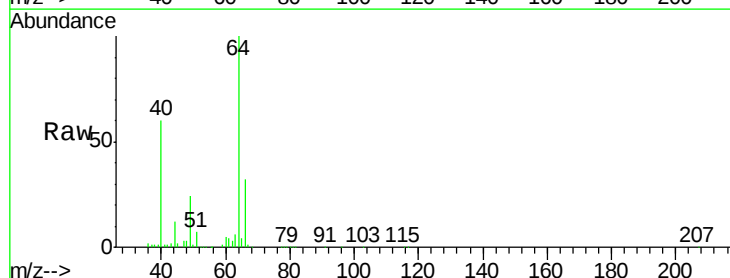
Acq: 18 Mar 2019 14:27

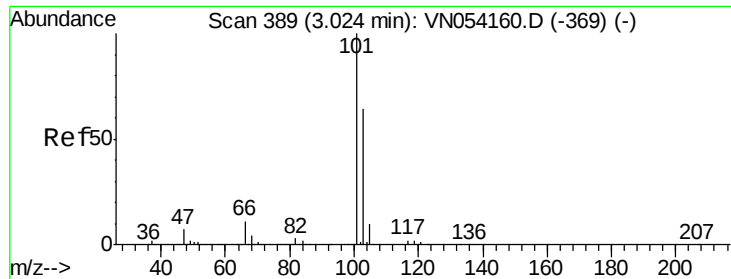
Tgt Ion: 64 Resp: 157829

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



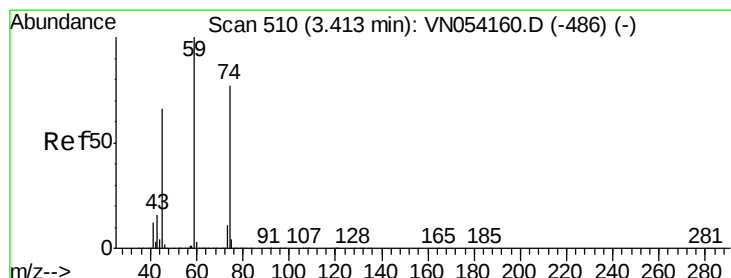
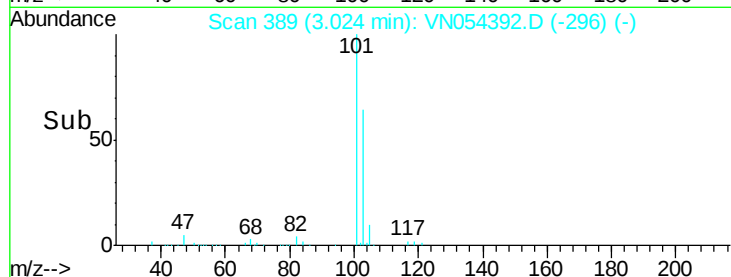
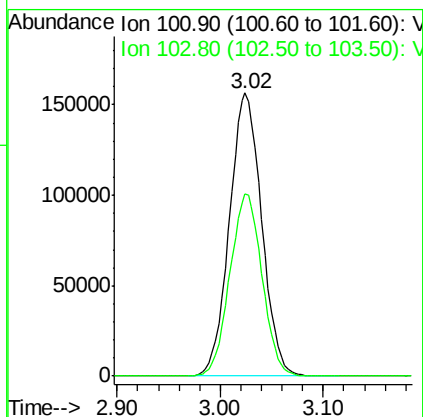
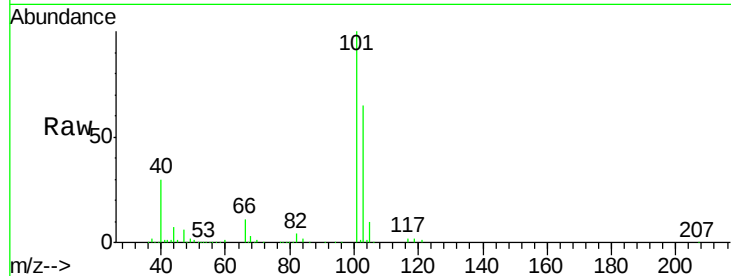


#7

Trichlorofluoromethane
Concen: 19.129 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :

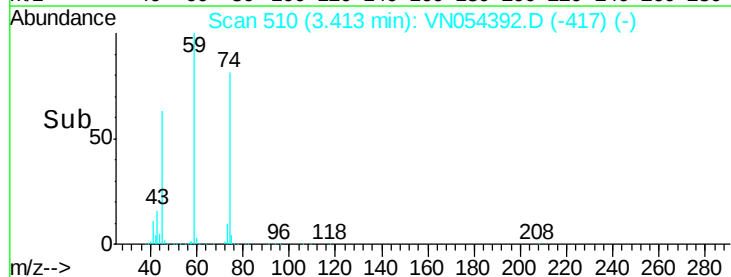
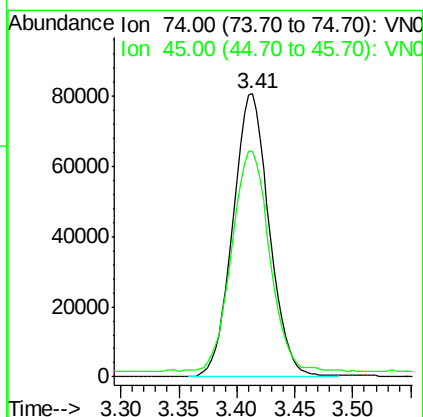
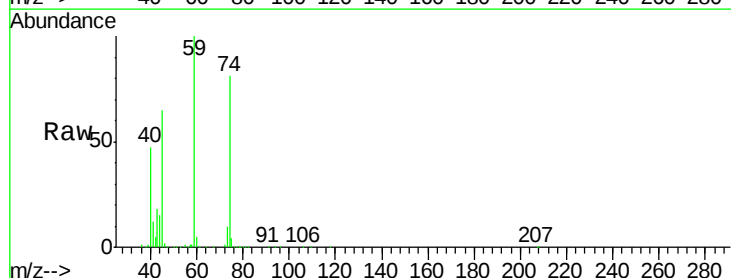
Tot Ion:101 Resp: 340861
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2

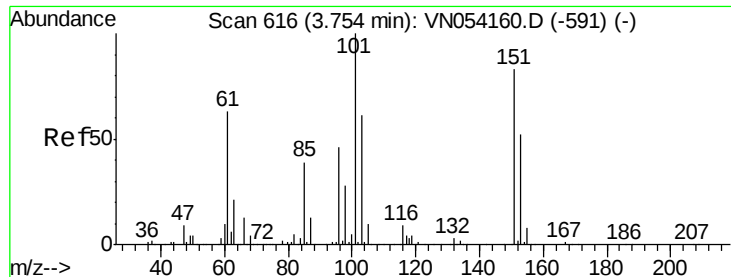


#8

Diethyl Ether
Concen: 21.673 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 74 Resp: 175987
Ion Ratio Lower Upper
74 100
45 80.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.754 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

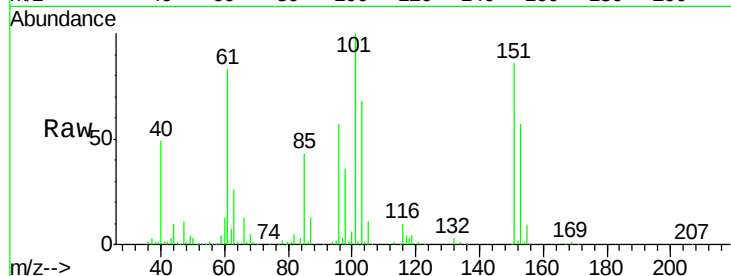
Tot Ion:101 Resp: 277137

Ion Ratio Lower Upper

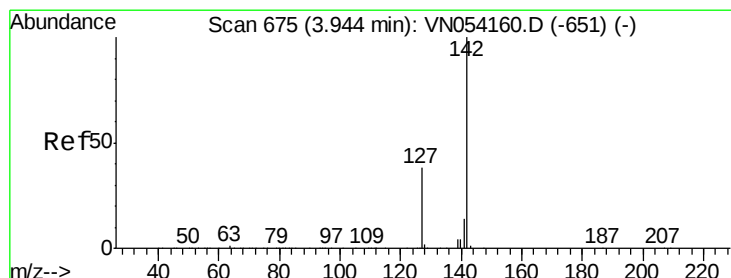
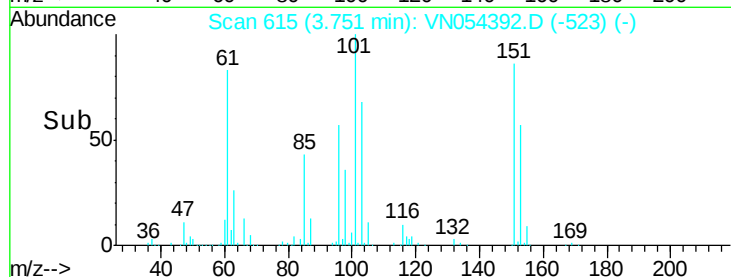
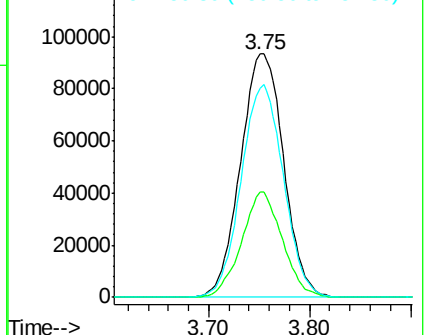
101 100

85 40.7 32.4 48.6

151 85.8 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: 21.116 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

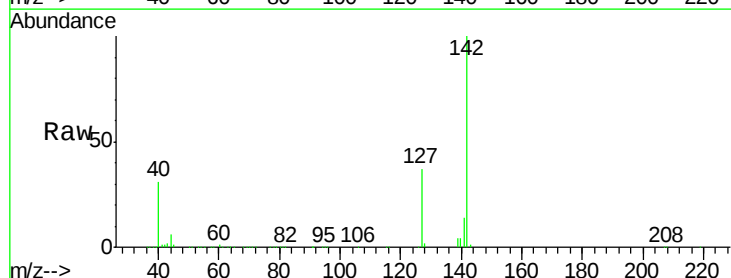
Tgt Ion:142 Resp: 383522

Ion Ratio Lower Upper

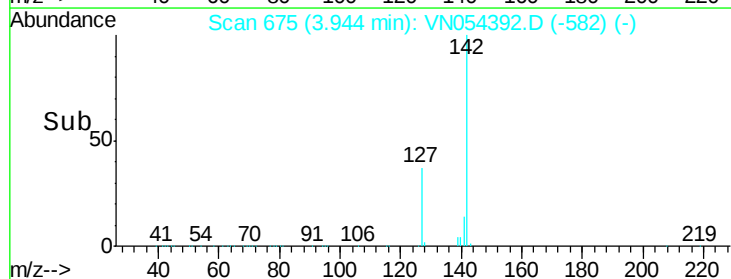
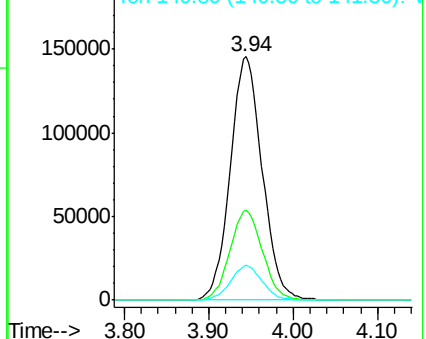
142 100

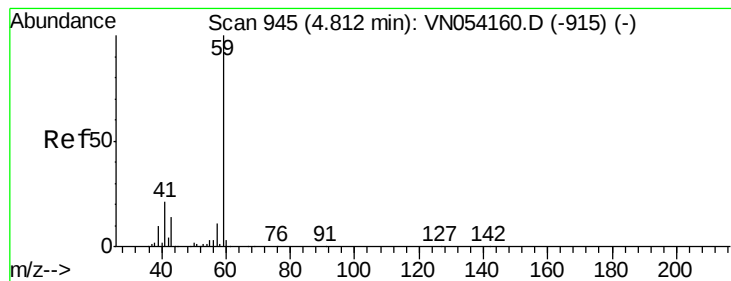
127 37.5 30.3 45.5

141 14.1 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



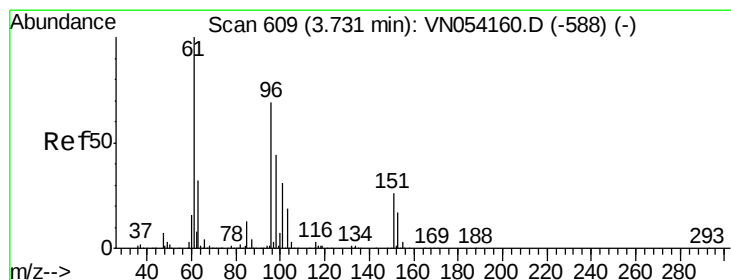
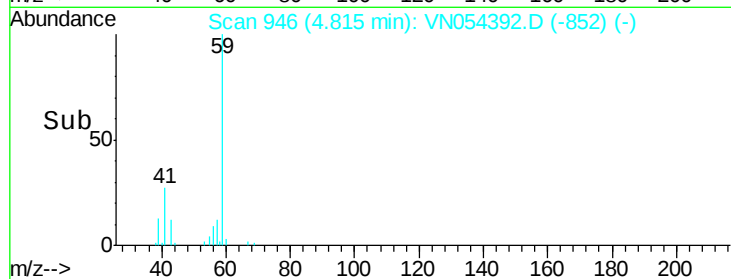
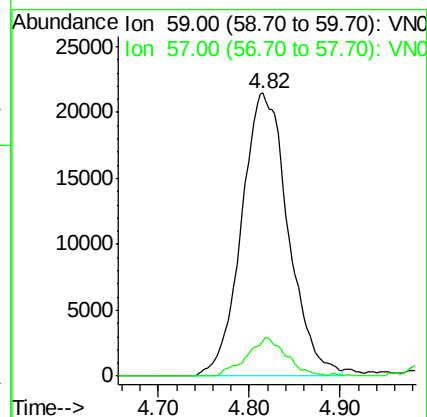
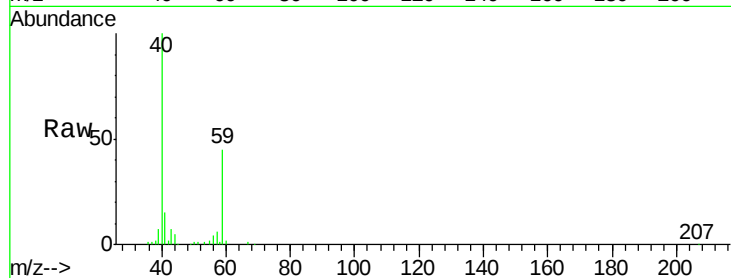


#11

Tert butyl alcohol
 Concen: 82.577 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

Instrument :
 MSVOA_N
 ClientSampleId :

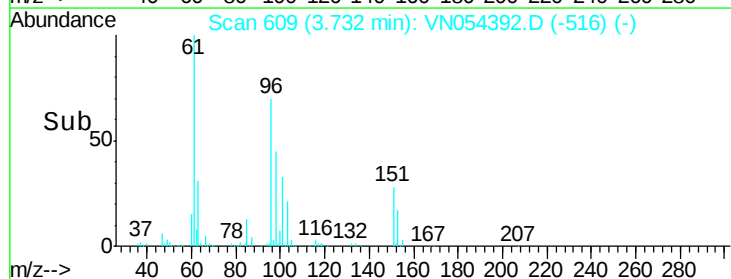
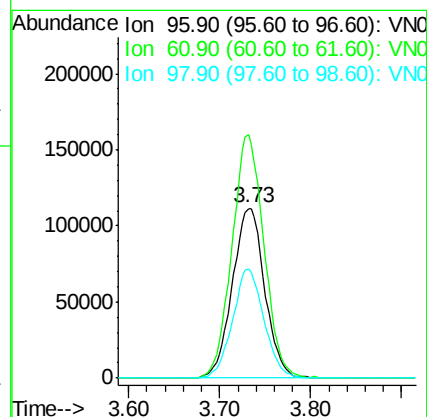
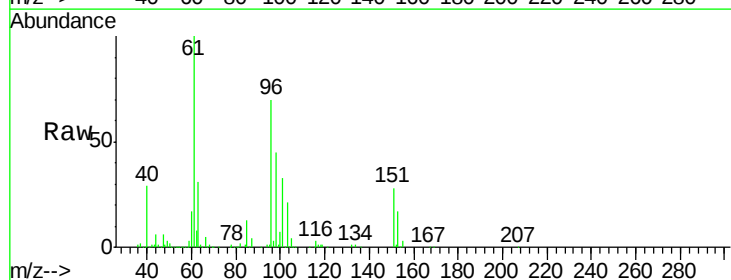
Tot Ion: 59 Resp: 76577
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.0 13.6

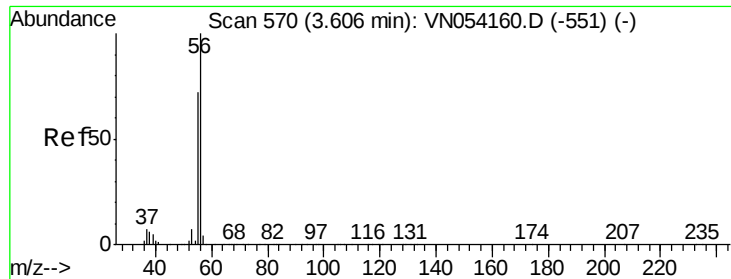


#12

1,1-Dichloroethene
 Concen: 20.743 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

Tgt Ion: 96 Resp: 274483
 Ion Ratio Lower Upper
 96 100
 61 143.5 116.5 174.7
 98 64.7 51.0 76.4





#13

Acrolein

Concen: 74.523 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

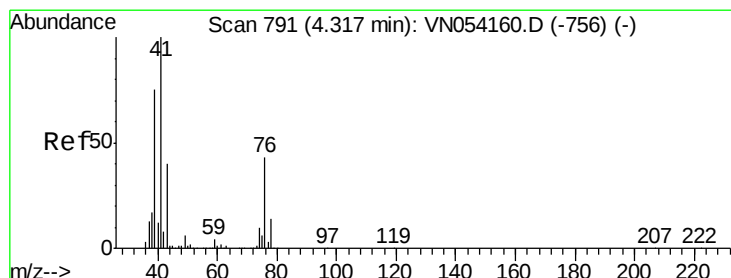
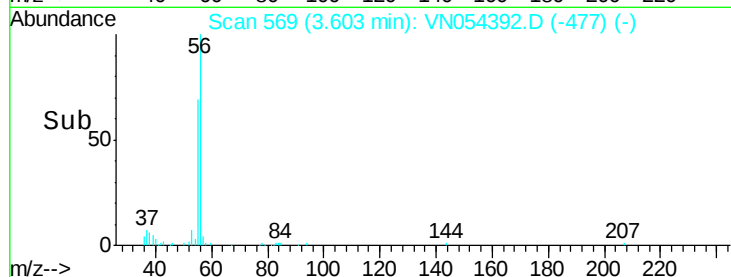
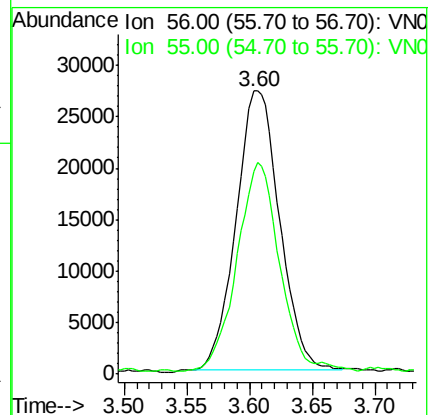
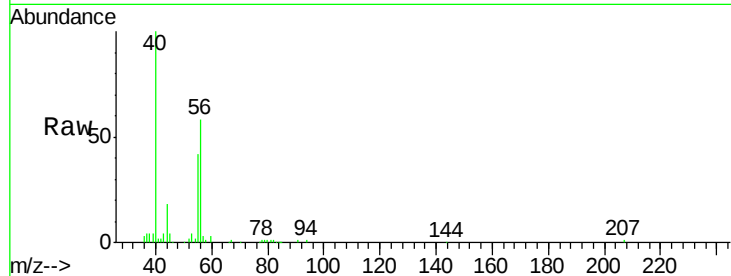
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 65486

Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1



#14

Allyl chloride

Concen: 19.751 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

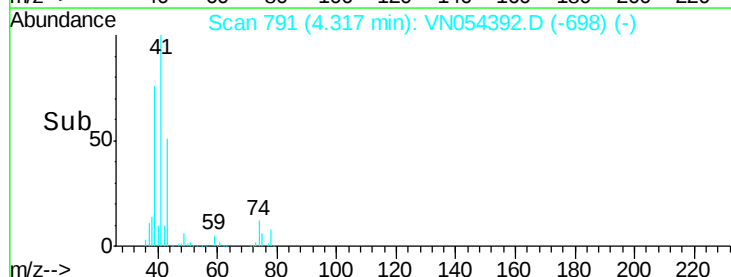
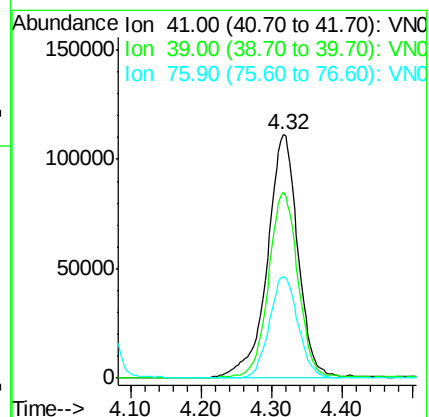
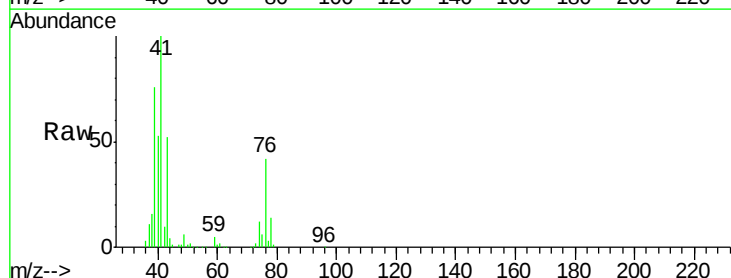
Tgt Ion: 41 Resp: 335330

Ion Ratio Lower Upper

41 100

39 74.4 58.2 87.4

76 38.9 31.7 47.5





#15

Acrylonitrile

Concen: 113.730 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

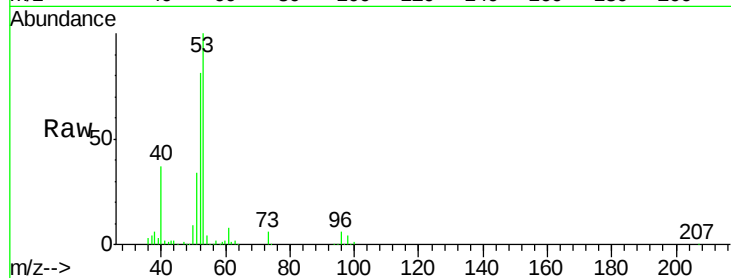
Tot Ion: 53 Resp: 433225

Ion Ratio Lower Upper

53 100

52 82.4 66.4 99.6

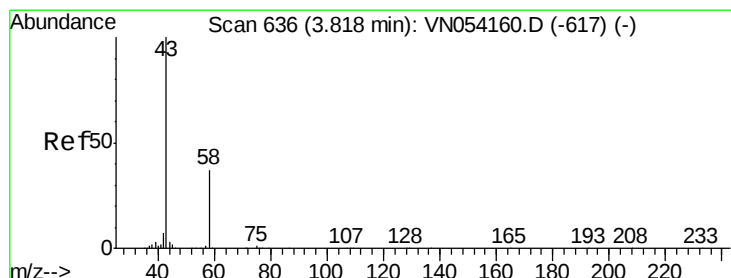
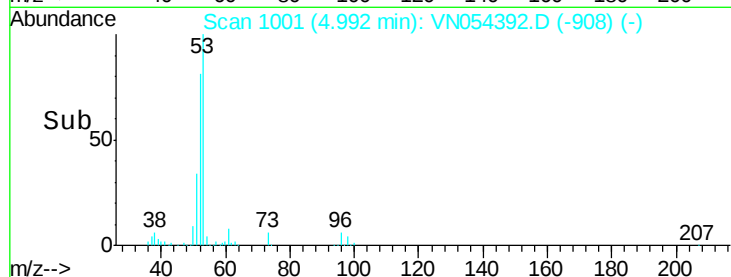
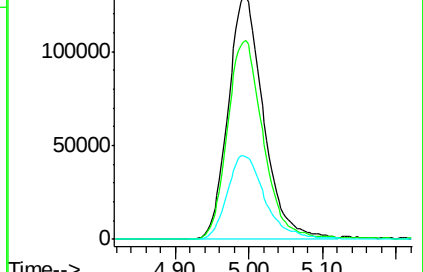
51 36.9 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054160.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN054160.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN054160.D (-973) (-)



#16

Acetone

Concen: 77.142 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054392.D

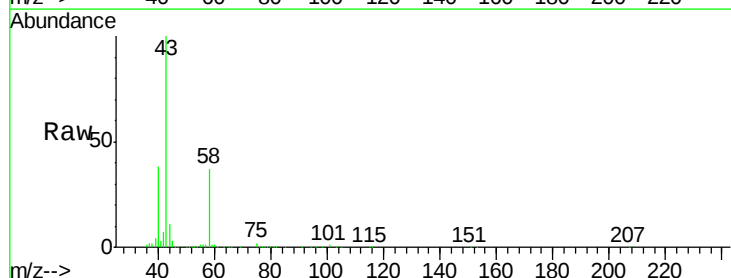
Acq: 18 Mar 2019 14:27

Tgt Ion: 43 Resp: 298778

Ion Ratio Lower Upper

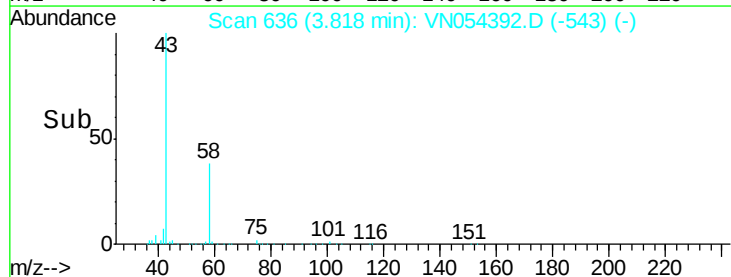
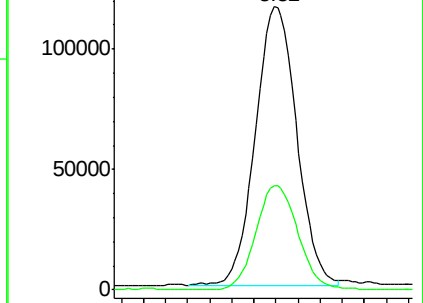
43 100

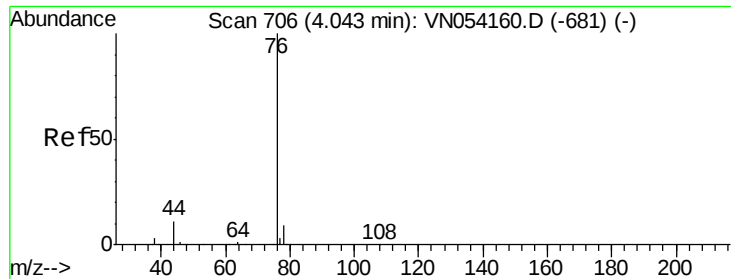
58 37.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-617) (-)

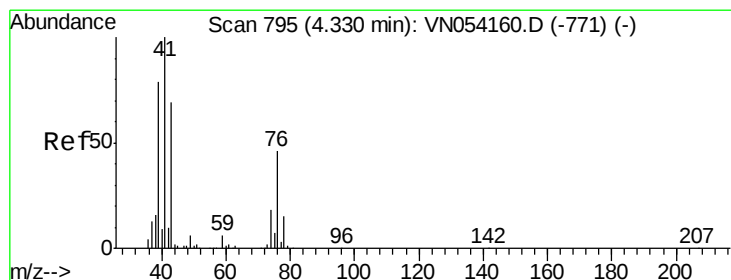
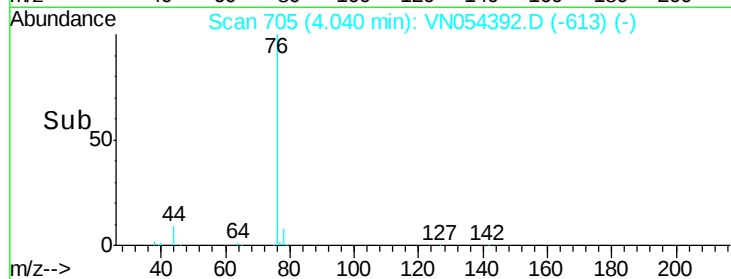
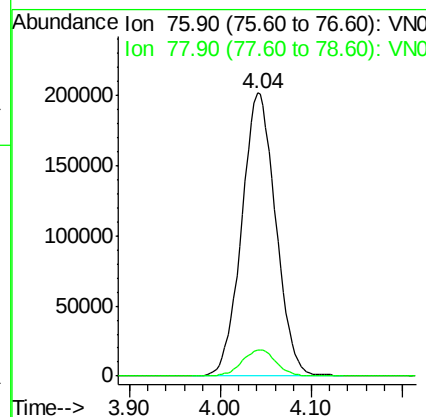
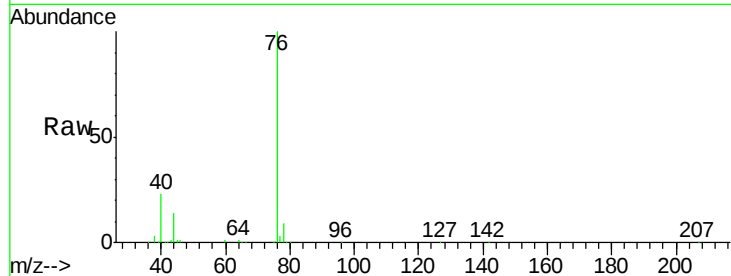




#17
Carbon Disulfide
Concen: 15.802 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

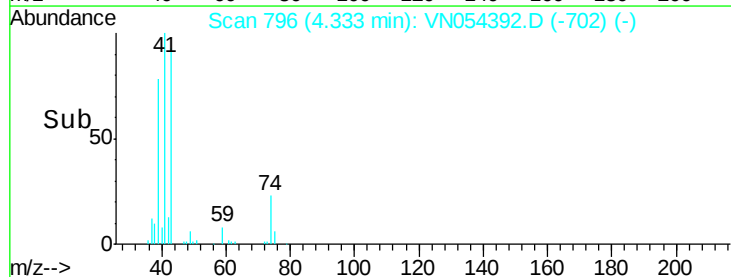
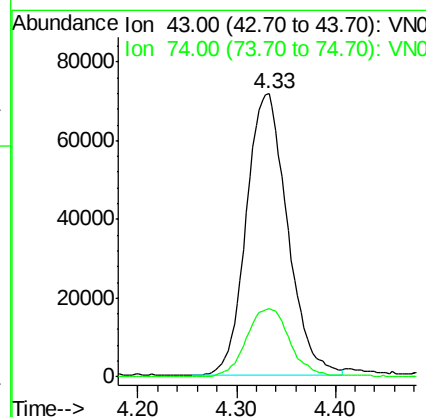
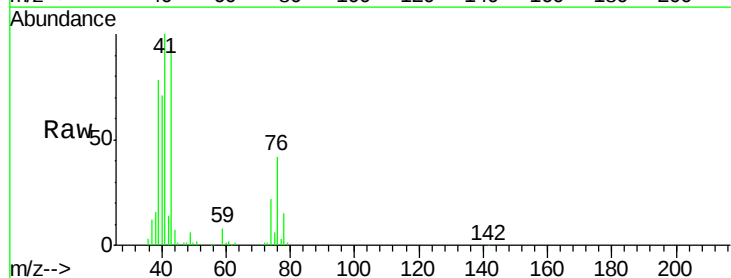
Instrument :
MSVOA_N
ClientSampled :

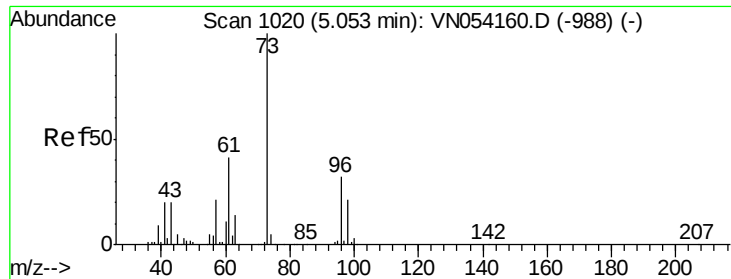
Tot Ion: 76 Resp: 524196
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 26.341 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 43 Resp: 206407
Ion Ratio Lower Upper
43 100
74 25.7 20.8 31.2

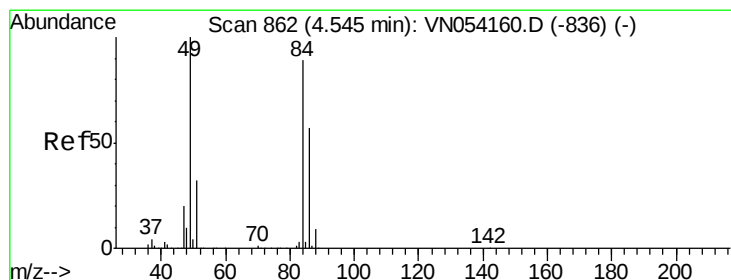
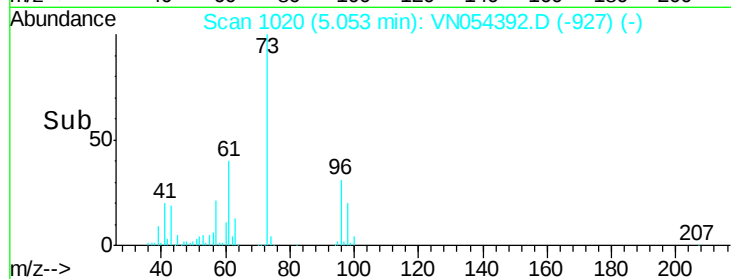
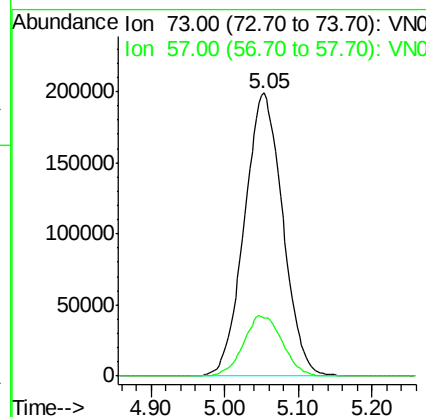
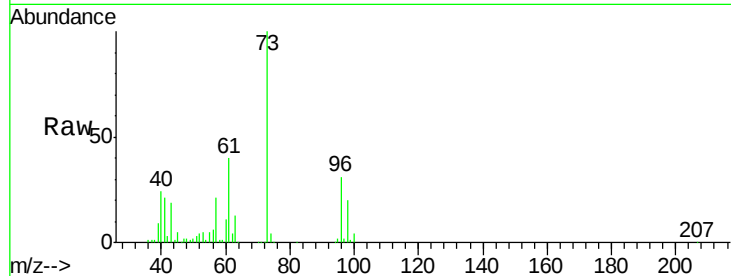




#19
Methvl tert-butvl Ether
Concen: 21.963 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

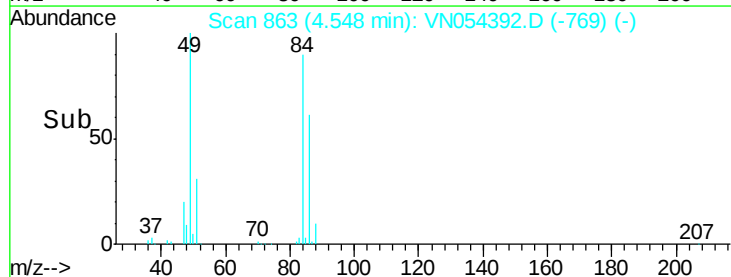
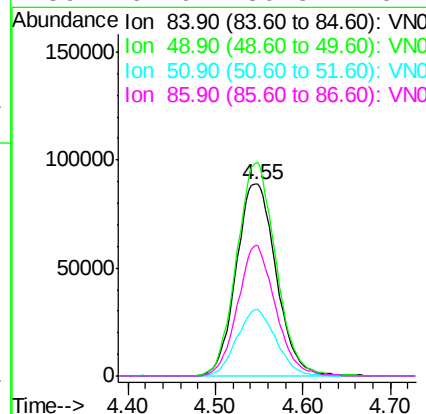
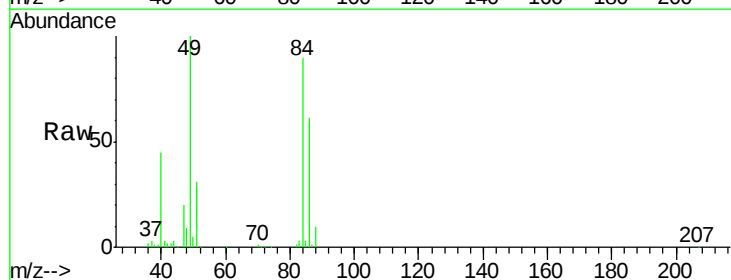
Instrument :
MSVOA_N
ClientSampled :

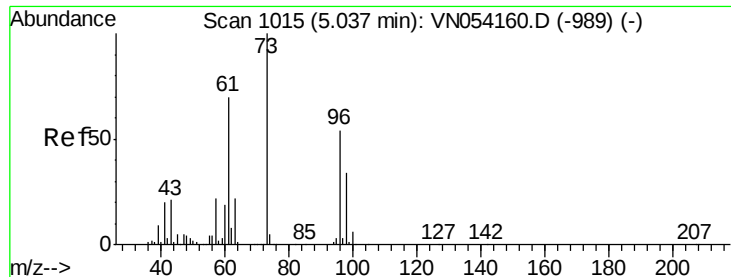
Tot Ion: 73 Resp: 720382
Ion Ratio Lower Upper
73 100
57 20.7 16.8 25.2



#20
Methylene Chloride
Concen: 22.139 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 84 Resp: 281555
Ion Ratio Lower Upper
84 100
49 111.4 89.7 134.5
51 34.7 28.2 42.4
86 67.9 50.8 76.2



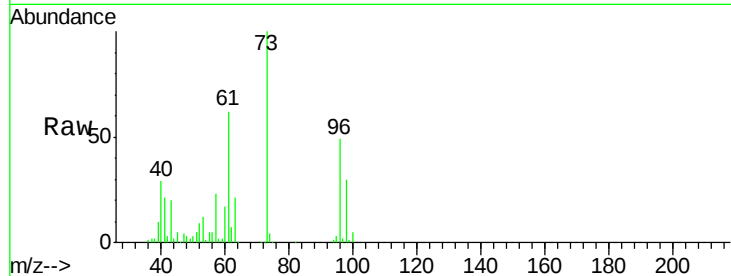


#21

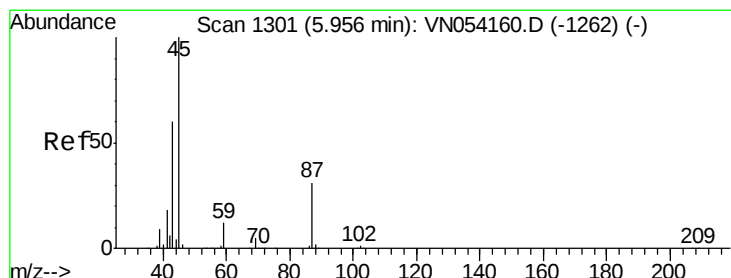
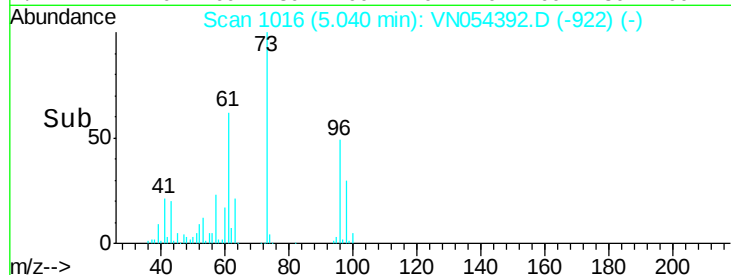
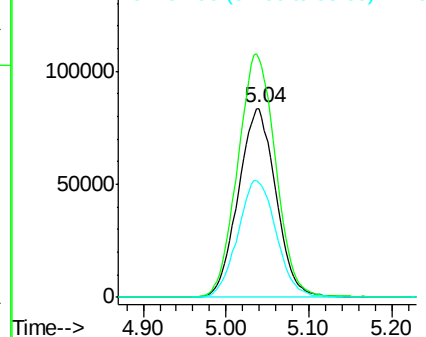
trans-1,2-Dichloroethene
Concen: 20.780 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 263464
Ion Ratio Lower Upper
96 100
61 126.6 102.8 154.2
98 60.8 50.0 75.0



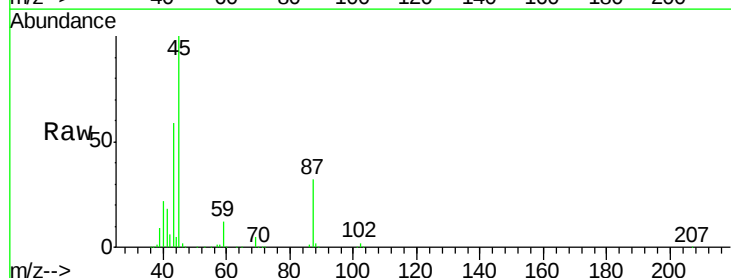
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



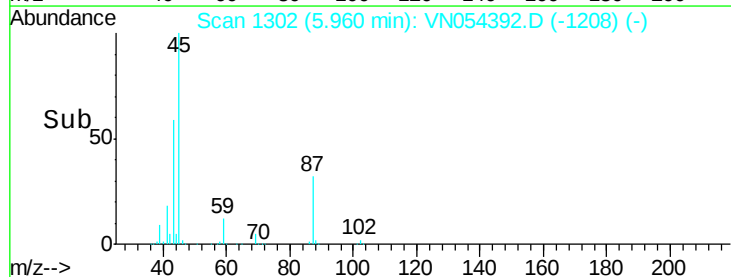
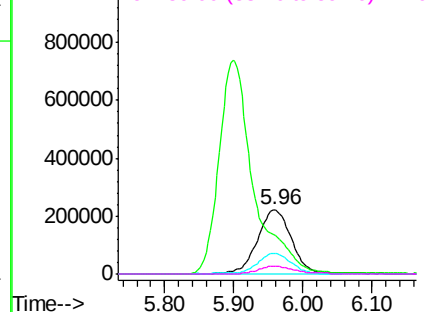
#22

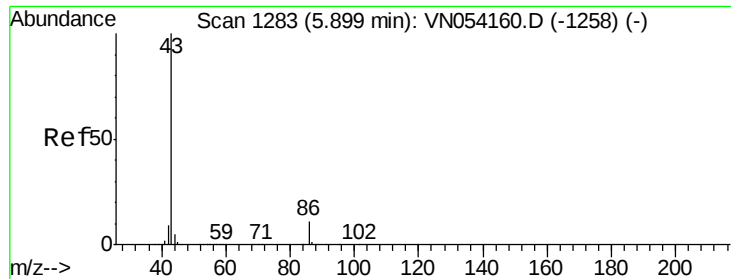
Diisopropyl ether
Concen: 22.522 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 45 Resp: 763170
Ion Ratio Lower Upper
45 100
43 57.9 48.2 72.2
87 32.0 24.9 37.3
59 11.5 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 102.250 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

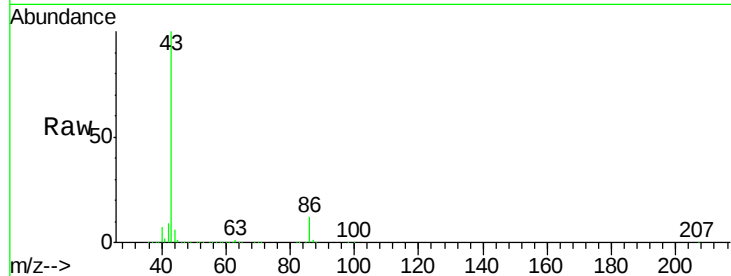
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2554570

Ion Ratio Lower Upper

43 100

86 11.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN054392.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054392.D (-1190) (-)

5.90

800000

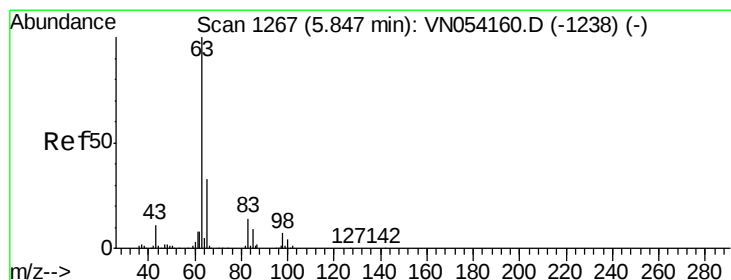
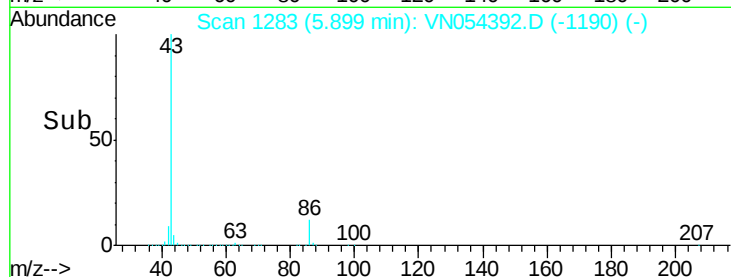
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.915 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

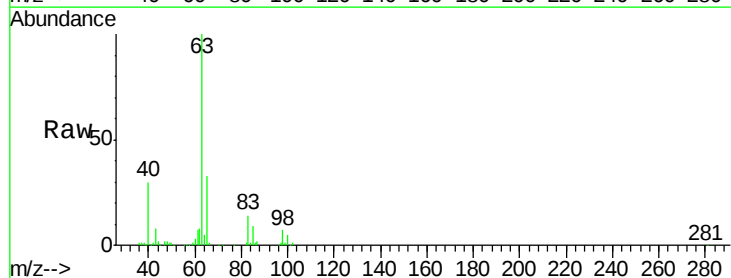
Tgt Ion: 63 Resp: 476807

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054392.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054392.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054392.D (-1174) (-)

5.85

200000

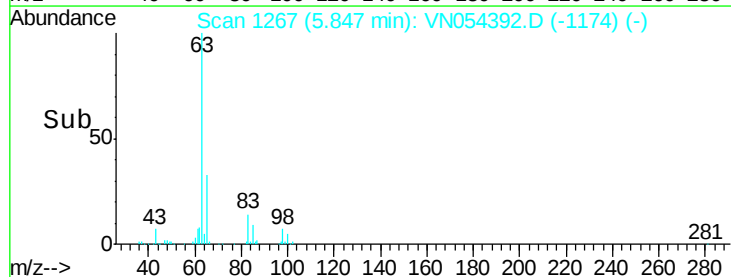
150000

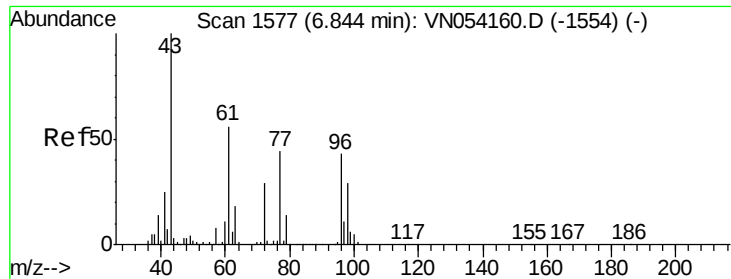
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 106.599 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

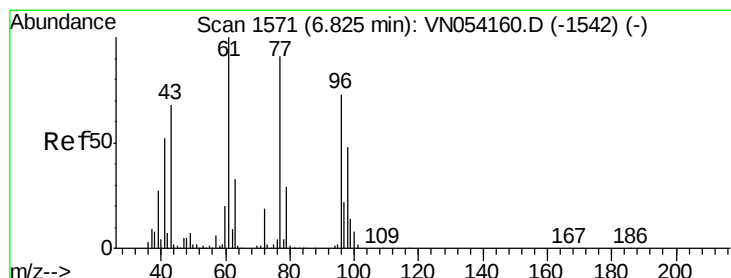
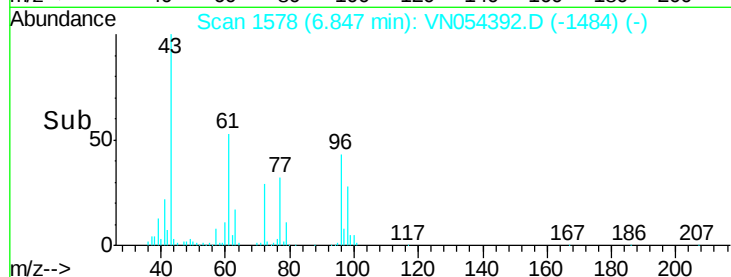
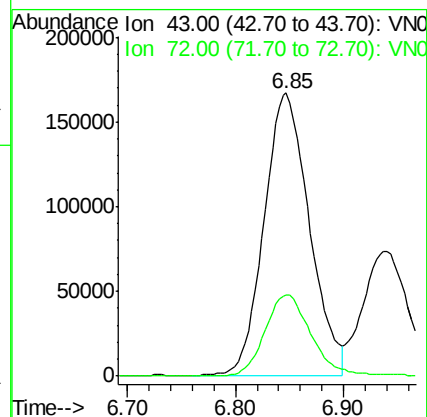
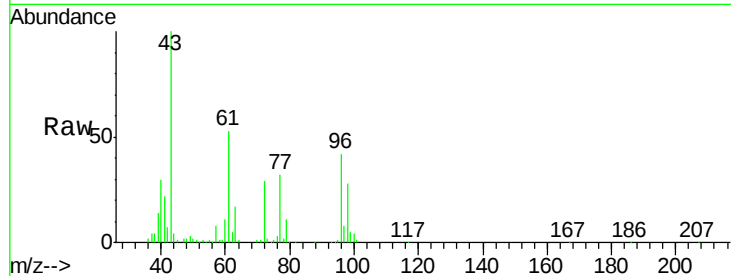
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 484582

Ion Ratio Lower Upper

43 100

72 28.8 23.0 34.6



#26

2,2-Dichloropropane

Concen: 16.143 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054392.D

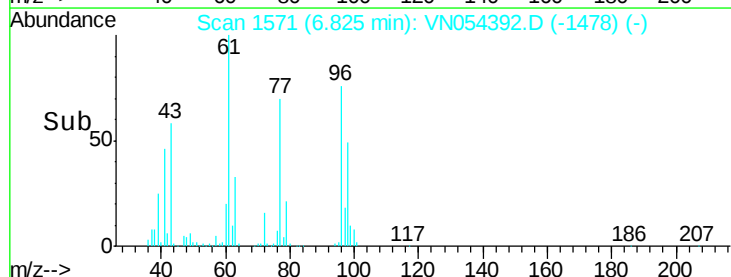
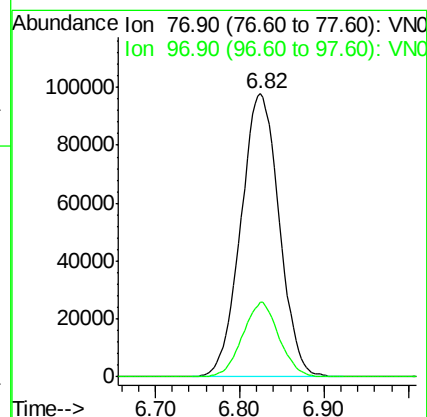
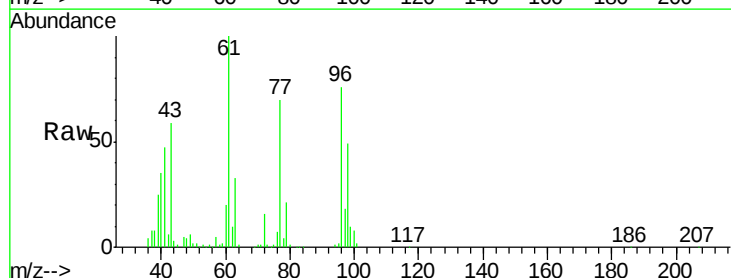
Acq: 18 Mar 2019 14:27

Tgt Ion: 77 Resp: 308856

Ion Ratio Lower Upper

77 100

97 25.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.448 ug/l

RT: 6.83 min Scan# 1572

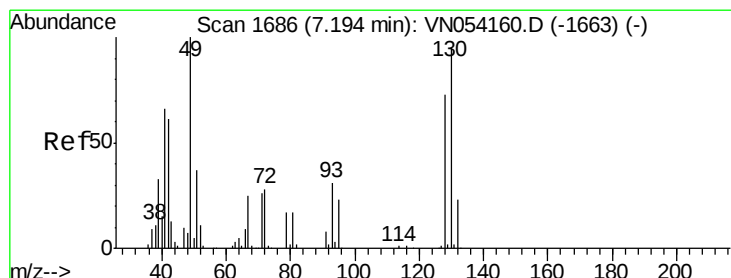
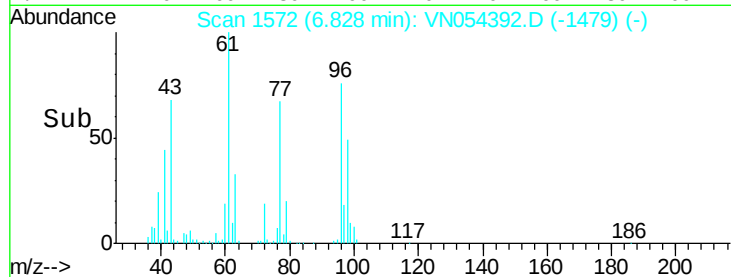
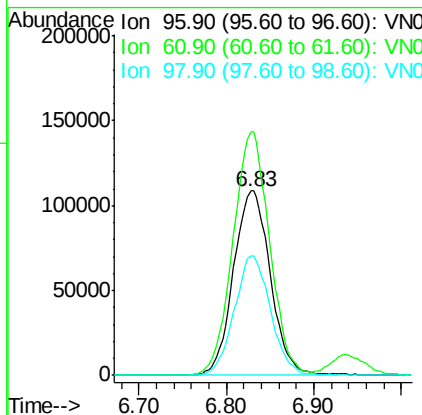
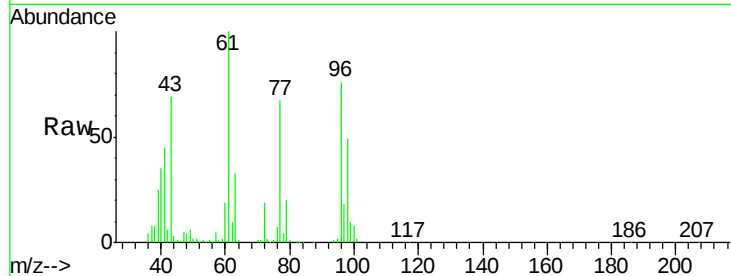
Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	317520
Ion	Ratio	Lower	Upper
96	100		
61	131.2	0.0	273.0
98	63.7	0.0	130.6



#28

Bromochloromethane

Concen: 22.073 ug/l

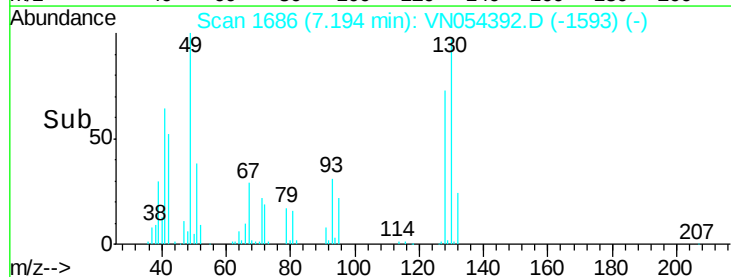
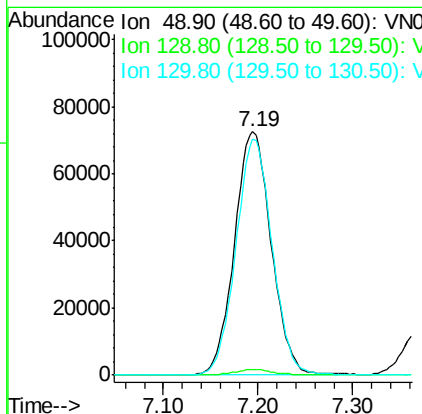
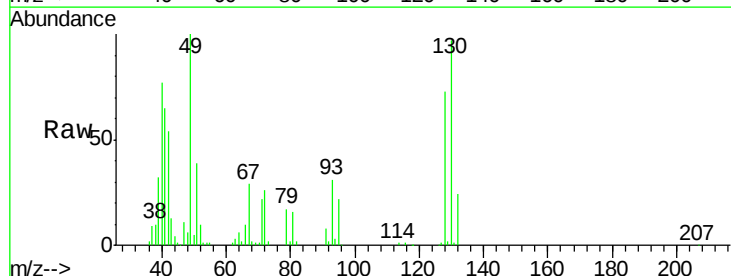
RT: 7.19 min Scan# 1686

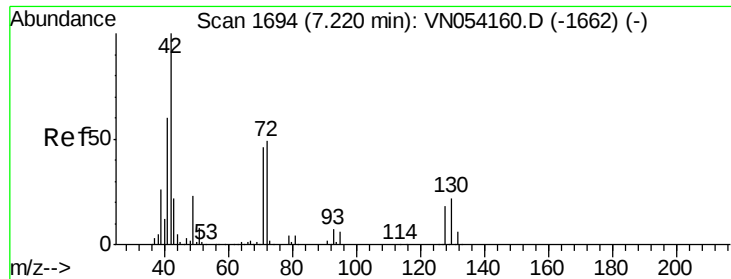
Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Tgt Ion:	49	Resp:	196328
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	95.3	76.7	115.1

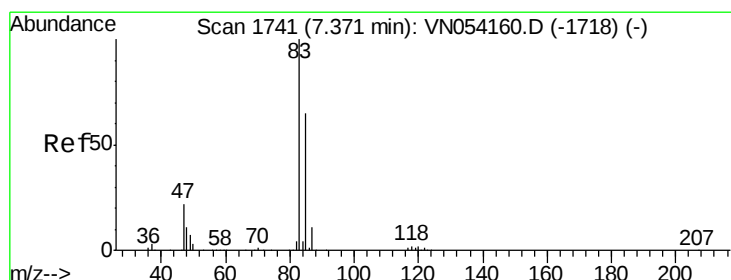
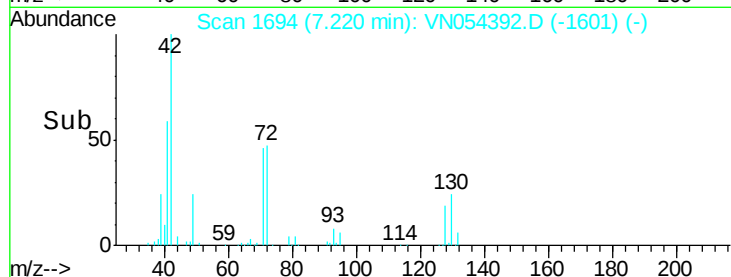
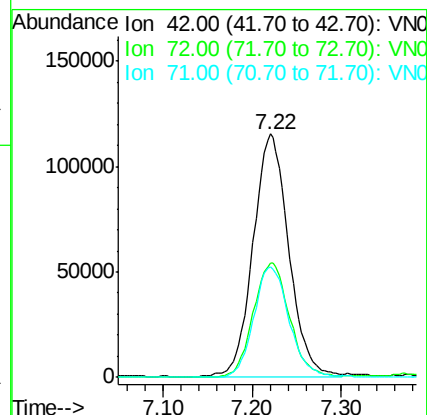
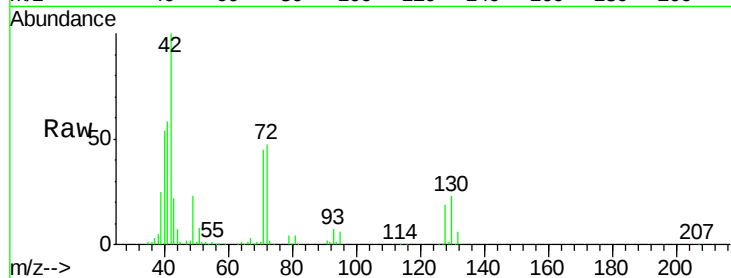




#29
Tetrahydrofuran
Concen: 109.057 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

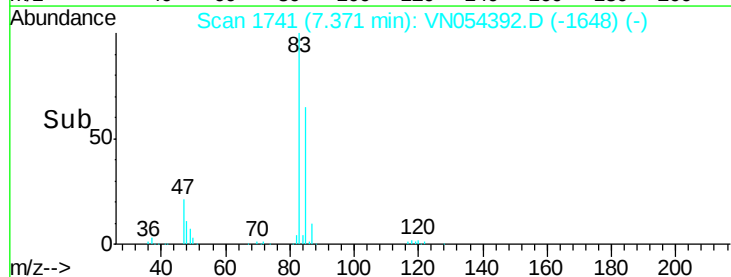
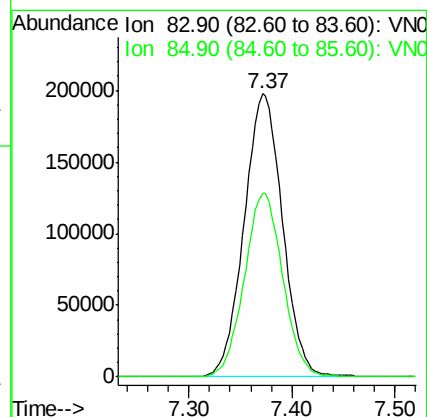
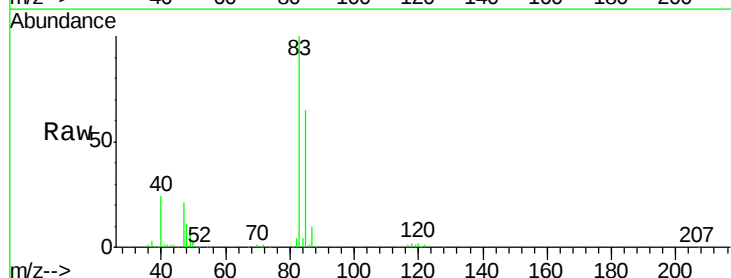
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 318753
Ion Ratio Lower Upper
42 100
72 48.1 37.8 56.6
71 45.5 36.2 54.2



#30
Chloroform
Concen: 22.510 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 83 Resp: 511060
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4

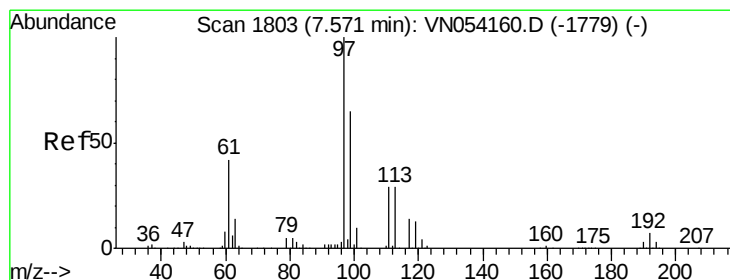
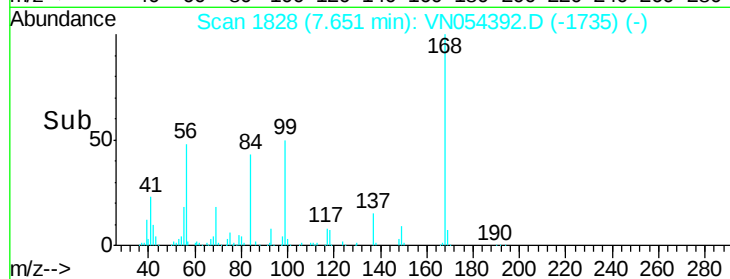
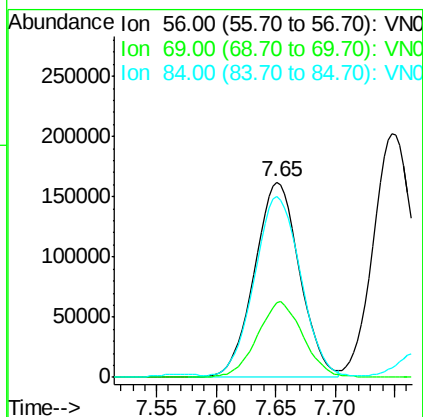
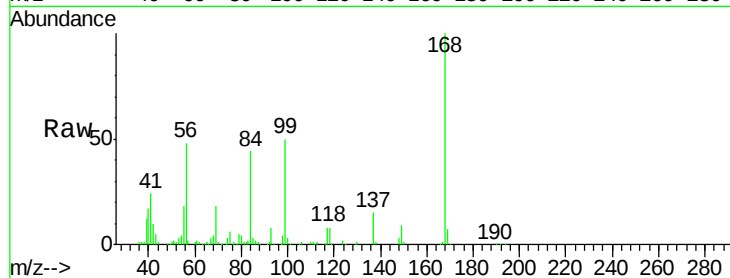




#31
Cyclohexane
Concen: 20.220 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

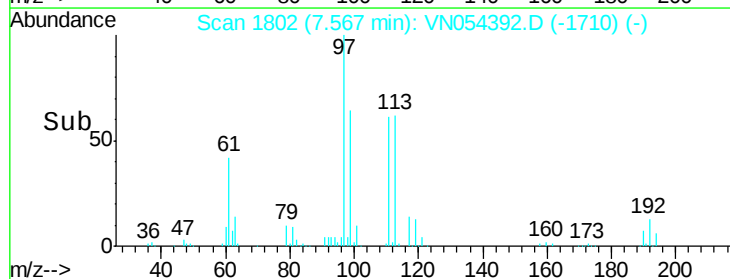
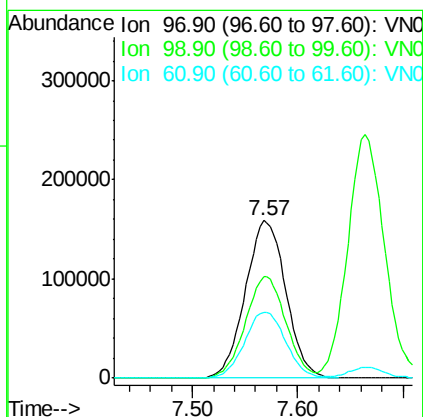
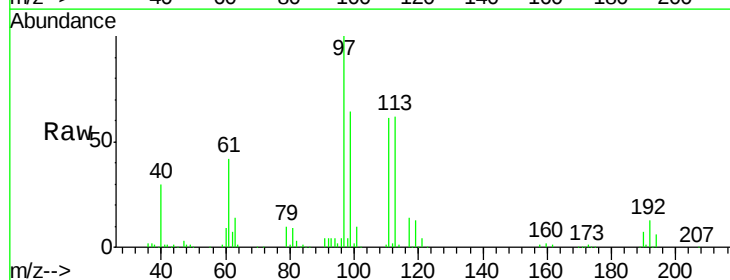
Instrument :
MSVOA_N
ClientSampled :

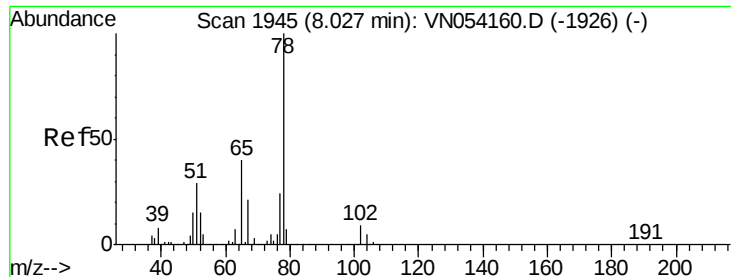
Tot Ion: 56 Resp: 426162
Ion Ratio Lower Upper
56 100
69 38.4 27.8 41.6
84 90.9 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 20.692 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 97 Resp: 424263
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 42.7 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 52.631 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

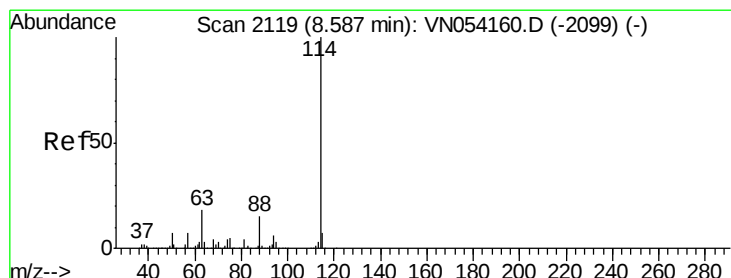
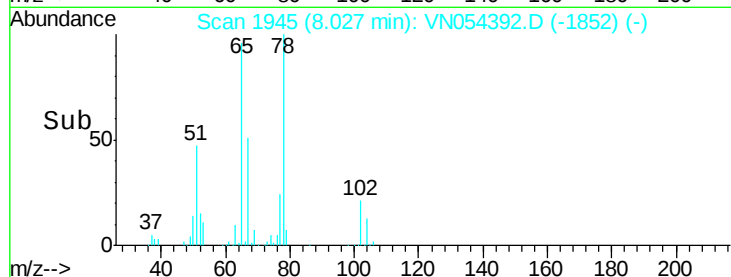
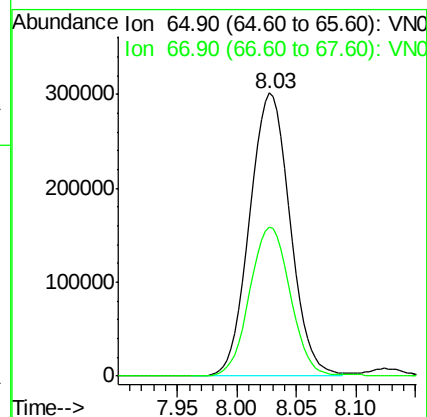
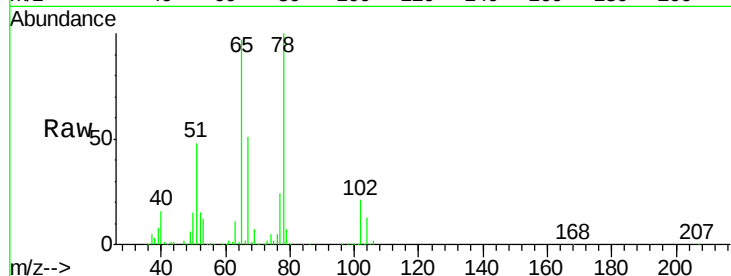
ClientSampleId :

Tot Ion: 65 Resp: 711942

Ion Ratio Lower Upper

65 100

67 53.0 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: VN054392.D

Acq: 18 Mar 2019 14:27

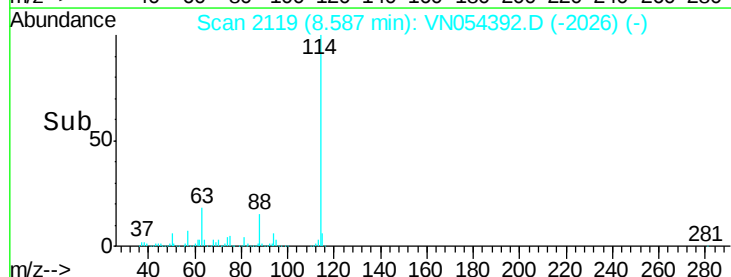
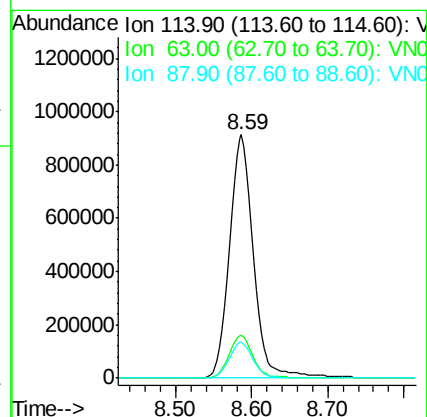
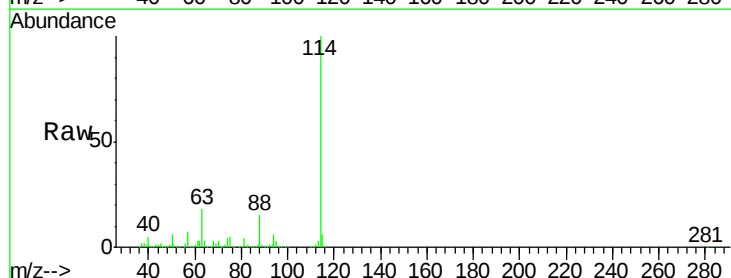
Tgt Ion: 114 Resp: 2010762

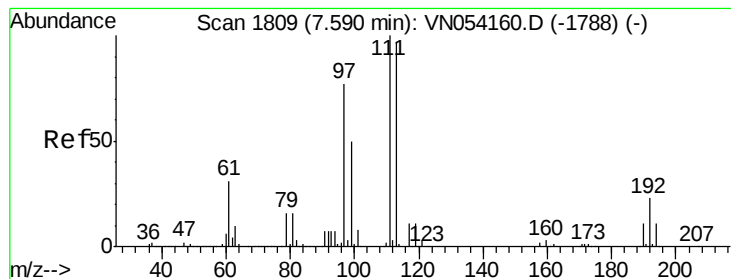
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

88 14.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.586 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :

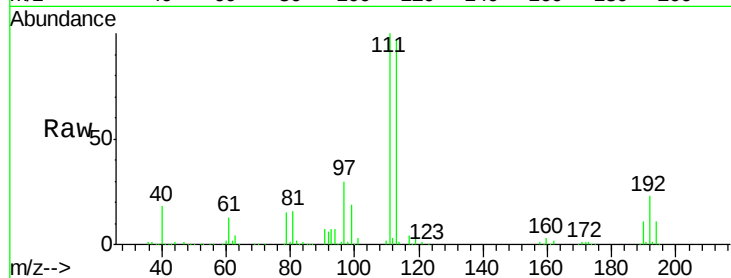
Tot Ion:113 Resp: 668998

Ion Ratio Lower Upper

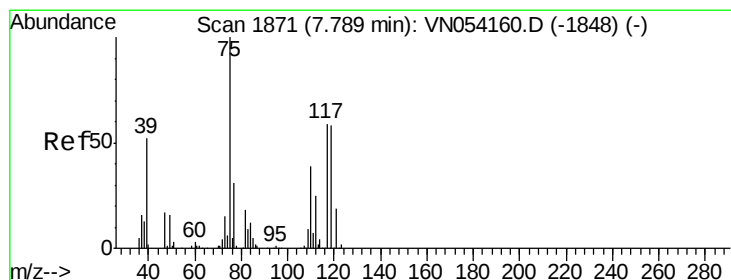
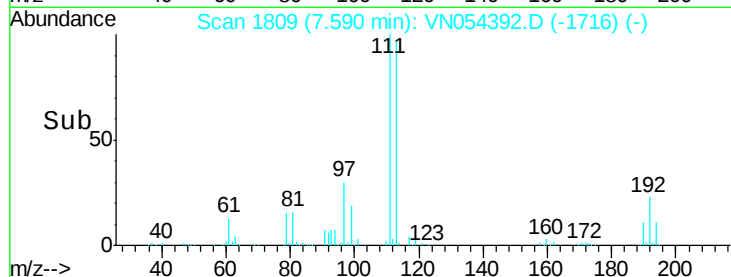
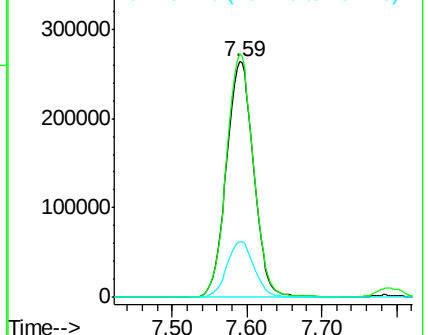
113 100

111 101.7 82.2 123.4

192 23.6 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.033 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

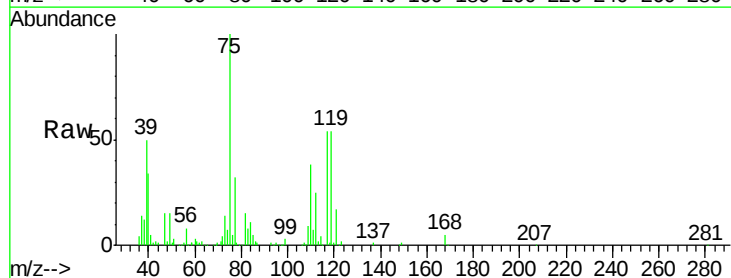
Tgt Ion: 75 Resp: 370955

Ion Ratio Lower Upper

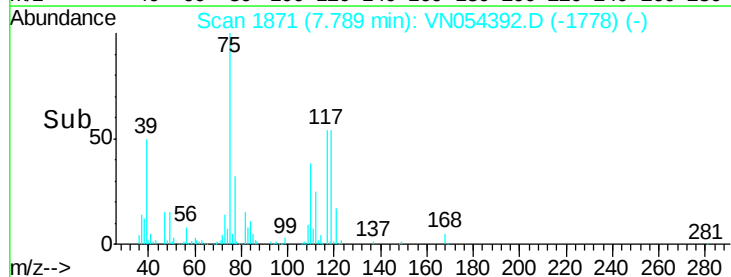
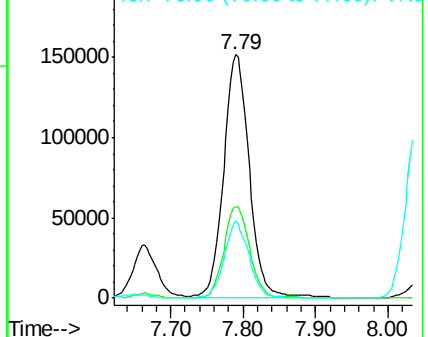
75 100

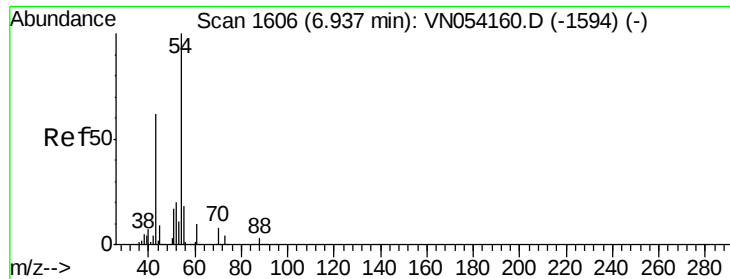
110 37.4 19.1 57.5

77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

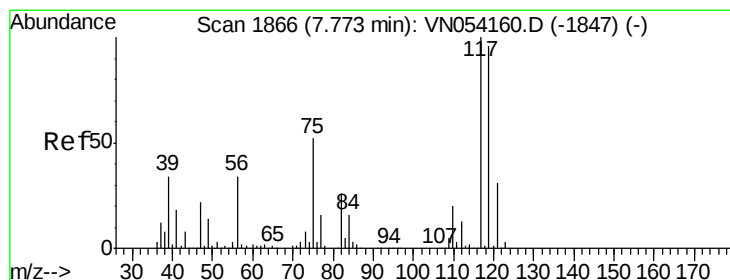
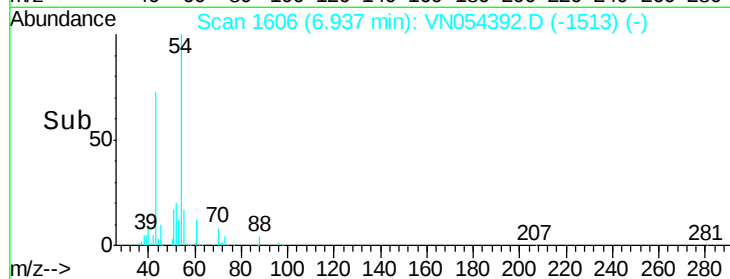
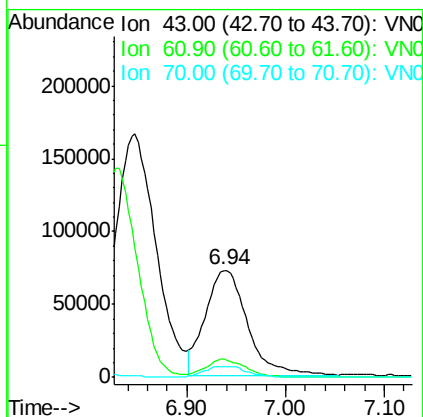
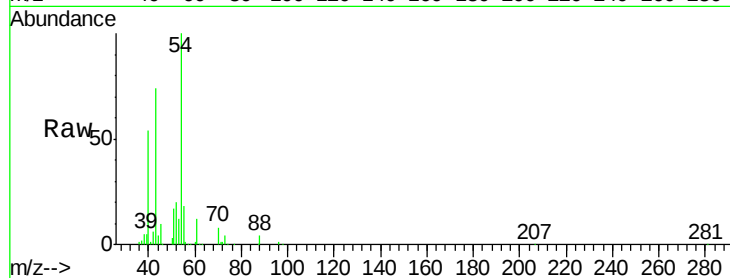




#37
Ethyl Acetate
Concen: 20.329 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

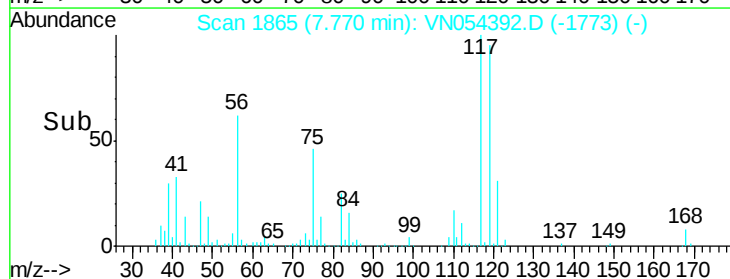
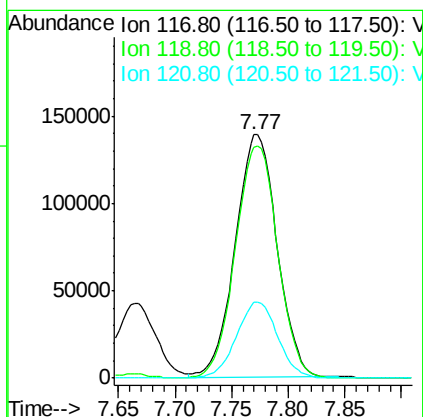
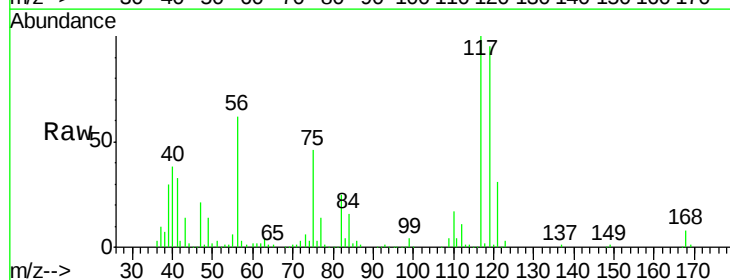
Instrument :
MSVOA_N
ClientSampleId :

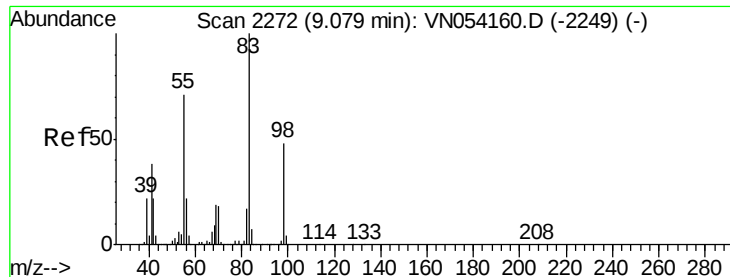
Tot Ion: 43 Resp: 216299
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.397 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 117 Resp: 357255
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 31.2 24.6 36.8

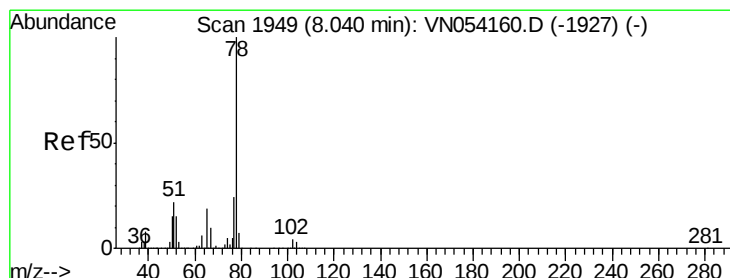
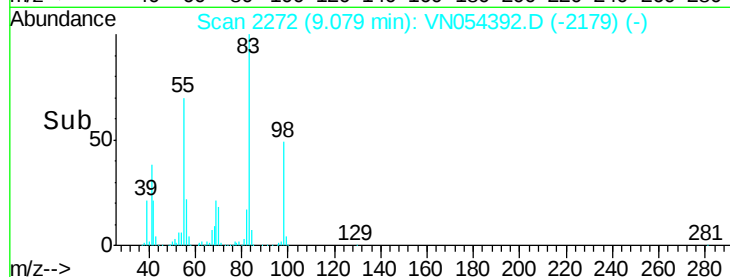
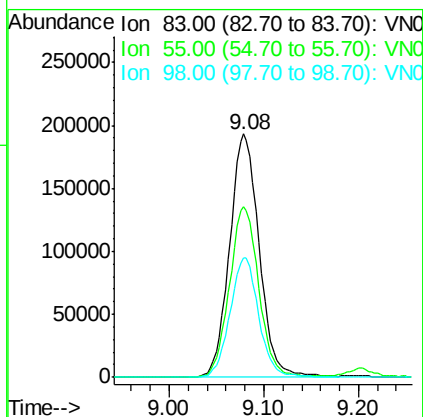
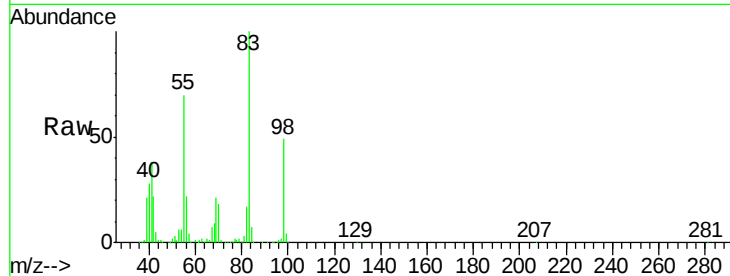




#39
Methvlcvclohexane
Concen: 18.479 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

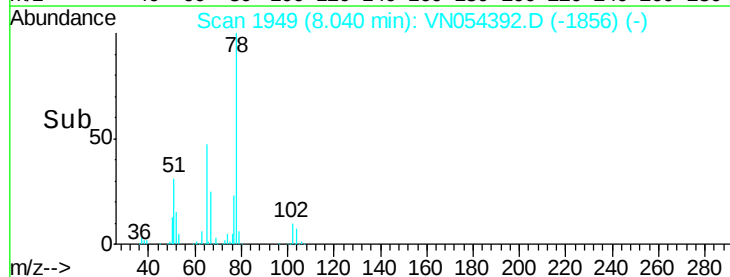
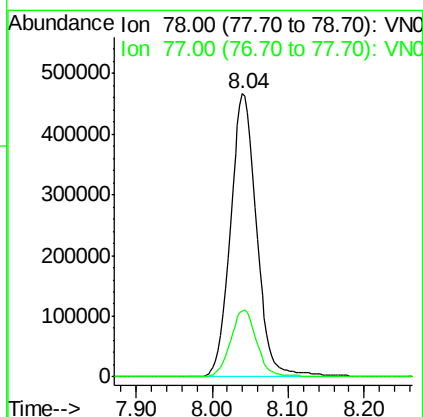
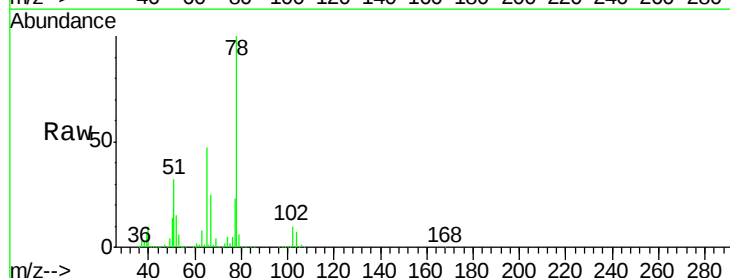
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 421014
Ion Ratio Lower Upper
83 100
55 69.9 56.6 84.8
98 49.2 38.4 57.6



#40
Benzene
Concen: 21.059 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 78 Resp: 1115903
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7

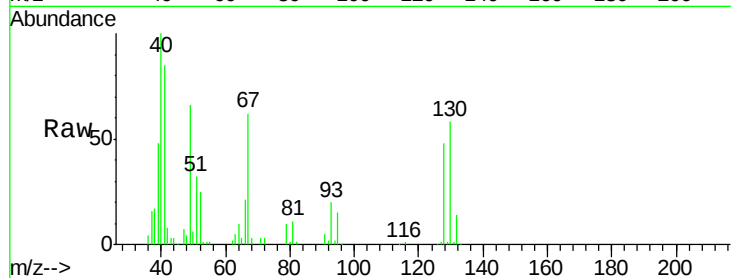




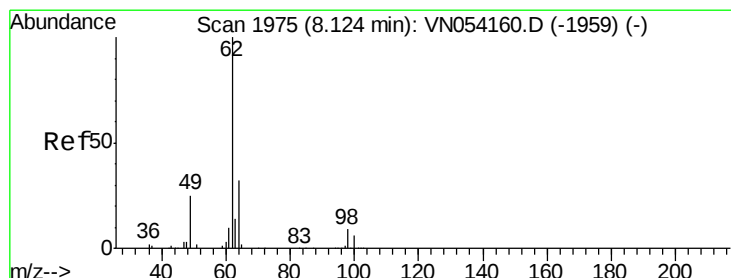
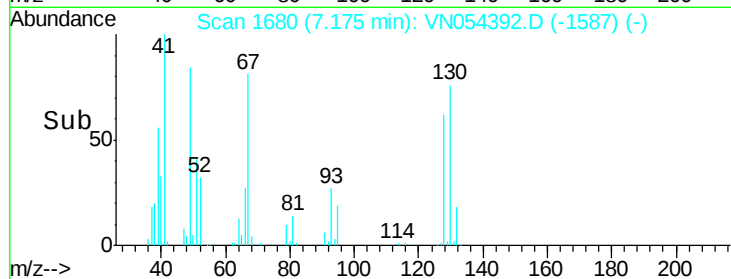
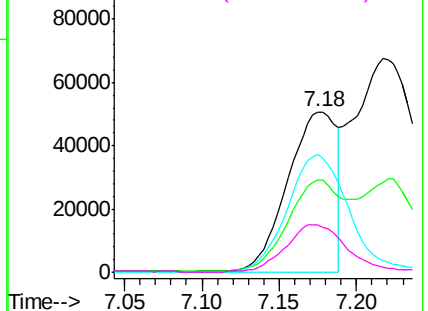
#41
Methacrylonitrile
Concen: 18.227 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	110731
Ion	Ratio	Lower	Upper
41	100		
39	63.6	46.8	70.2
67	93.8	67.0	100.4
52	38.4	26.5	39.7

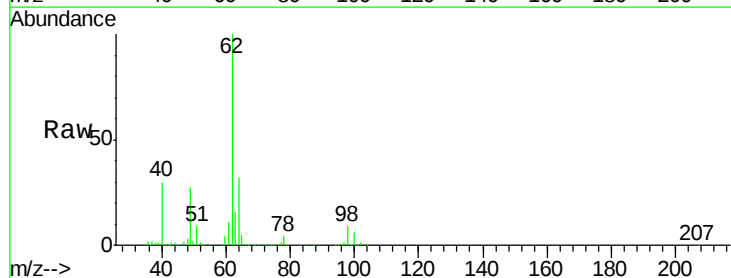


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

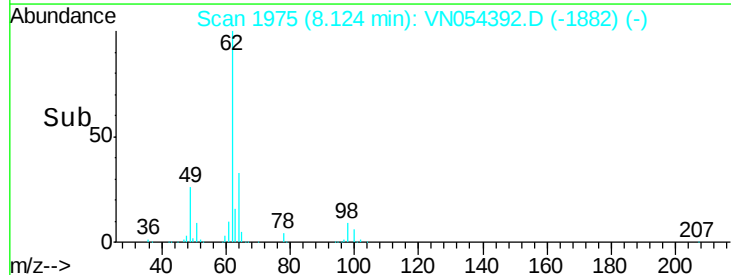
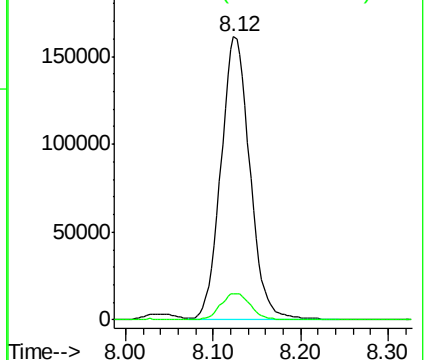


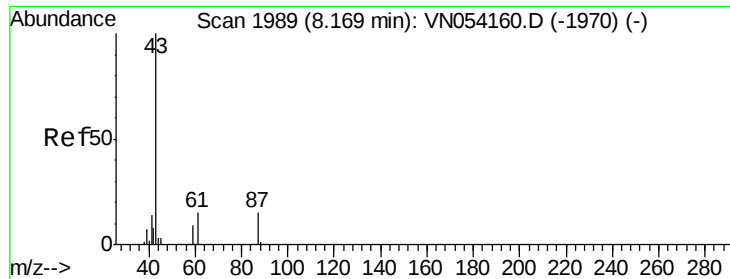
#42
1,2-Dichloroethane
Concen: 20.549 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion:	62	Resp:	367630
Ion	Ratio	Lower	Upper
62	100		
98	9.7	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: 19.057 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

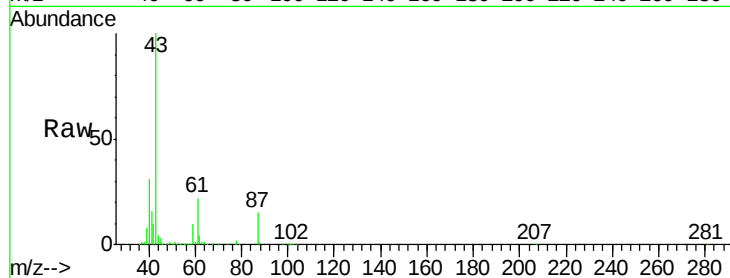
Tot Ion: 43 Resp: 355903

Ion Ratio Lower Upper

43 100

61 20.8 15.8 23.8

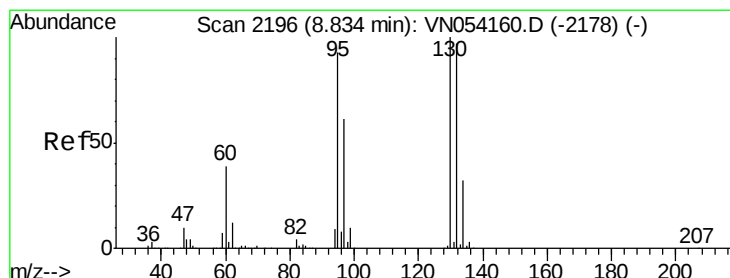
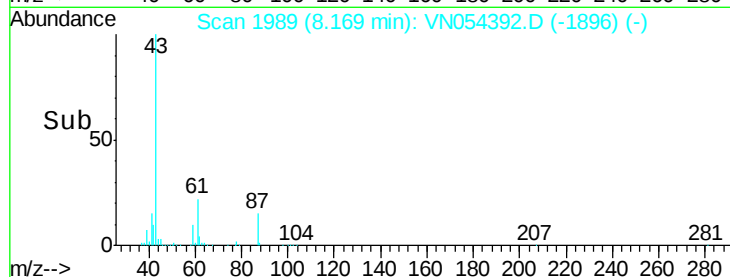
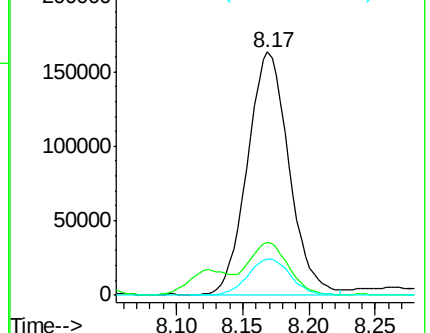
87 15.4 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 19.966 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054392.D

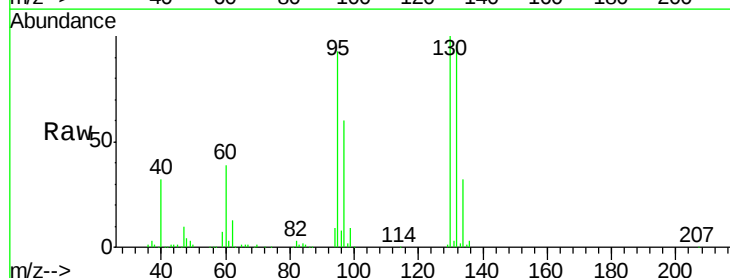
Acq: 18 Mar 2019 14:27

Tgt Ion: 130 Resp: 328659

Ion Ratio Lower Upper

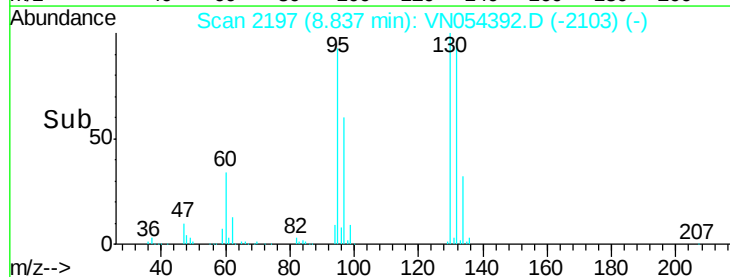
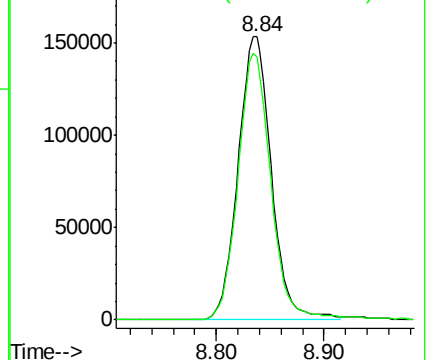
130 100

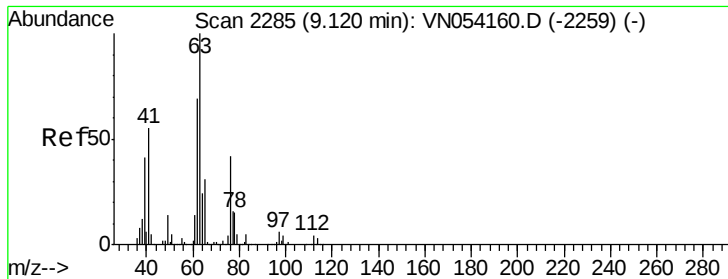
95 93.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)





#45

1,2-Dichloropropane

Concen: 21.839 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

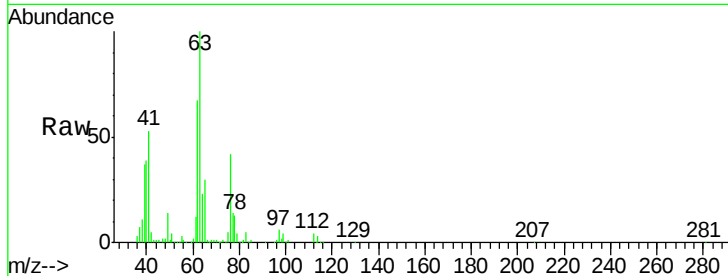
ClientSampleId :

Tot Ion: 63 Resp: 287350

Ion Ratio Lower Upper

63 100

65 29.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

150000

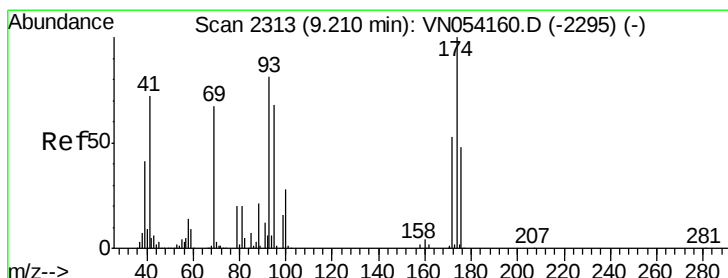
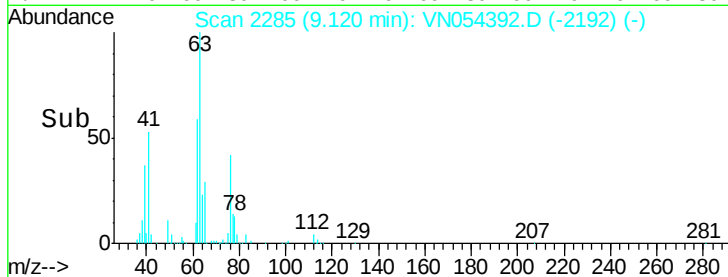
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 20.811 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

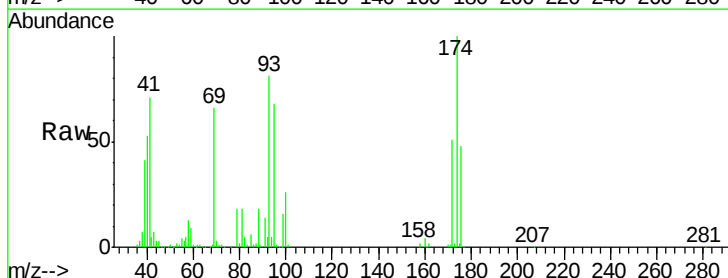
Tgt Ion: 93 Resp: 185011

Ion Ratio Lower Upper

93 100

95 82.4 66.7 100.1

174 120.9 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

150000

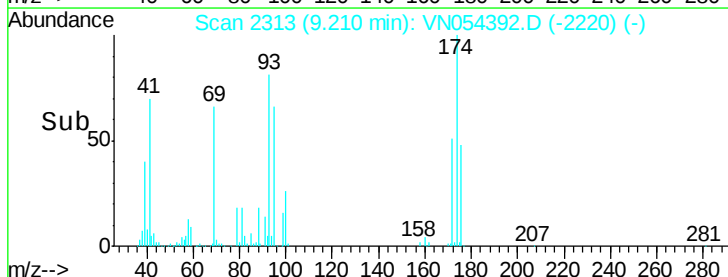
100000

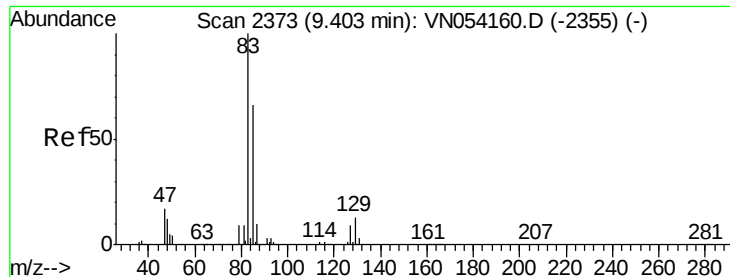
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 19.673 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

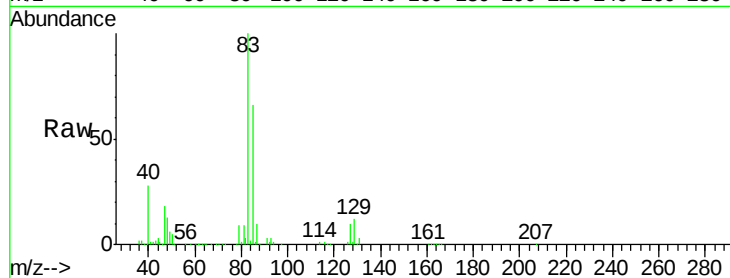
Tot Ion: 83 Resp: 350629

Ion Ratio Lower Upper

83 100

85 65.7 52.8 79.2

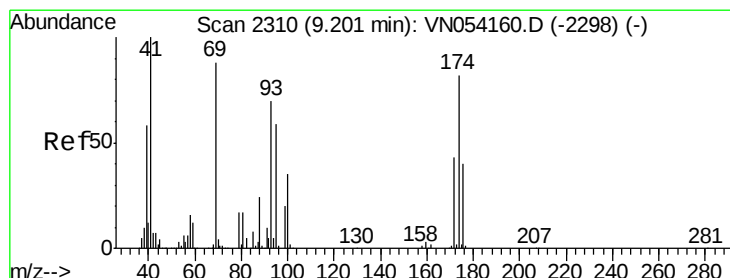
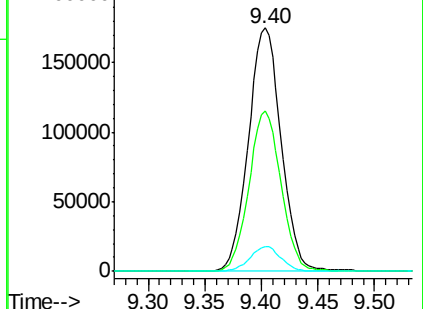
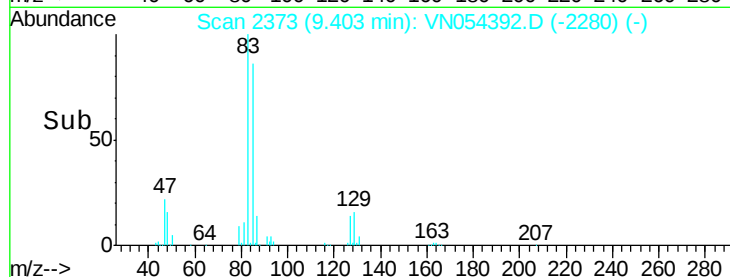
127 10.3 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054392.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054392.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054392.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.509 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

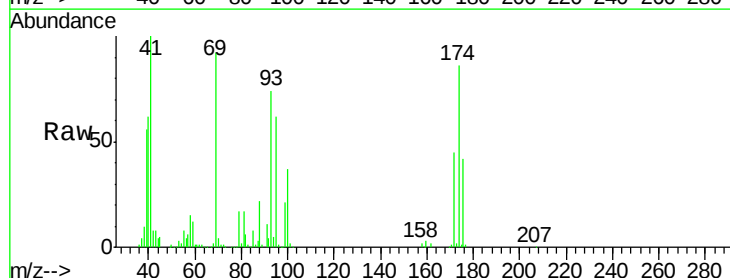
Tgt Ion: 41 Resp: 194376

Ion Ratio Lower Upper

41 100

69 95.5 72.6 108.8

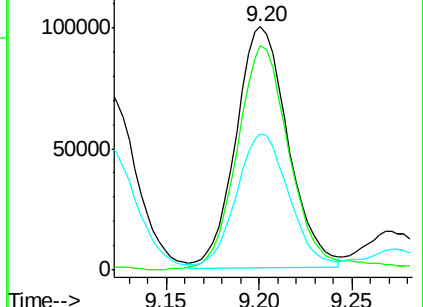
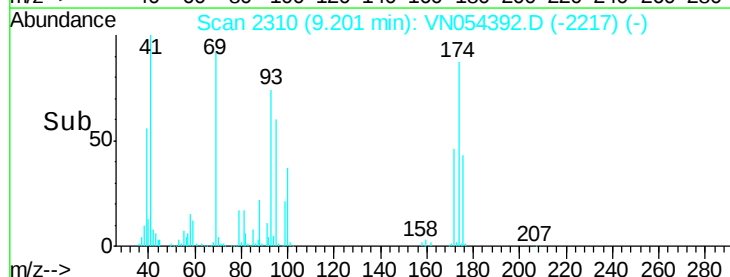
39 56.8 47.5 71.3



Abundance Ion 41.00 (40.70 to 41.70): VN054392.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054392.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054392.D (-2217) (-)





#49

1,4-Dioxane

Concen: 350.929 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampled :

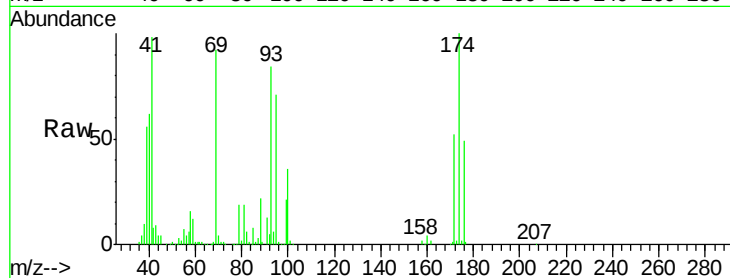
Tot Ion: 88 Resp: 47046

Ion Ratio Lower Upper

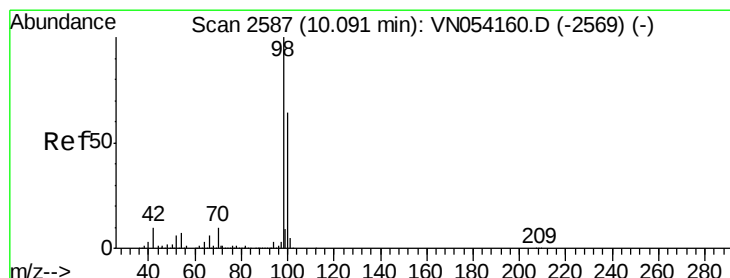
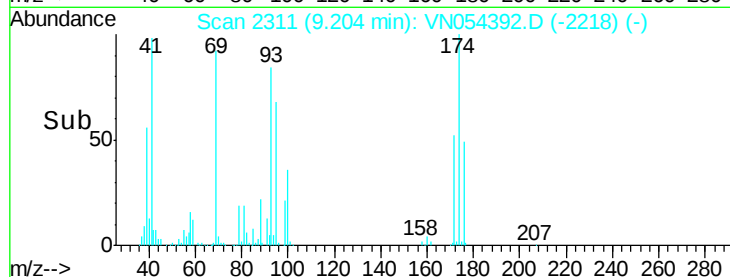
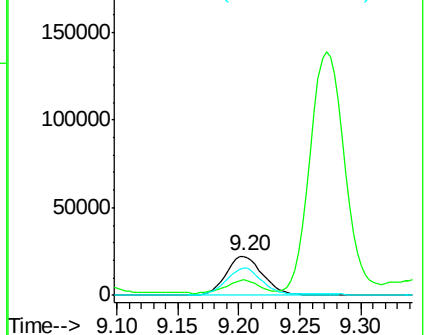
88 100

43 29.7 24.1 36.1

58 68.9 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: 50.252 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054392.D

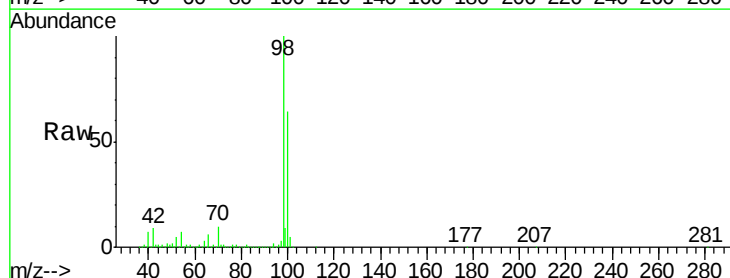
Acq: 18 Mar 2019 14:27

Tgt Ion: 98 Resp: 2406795

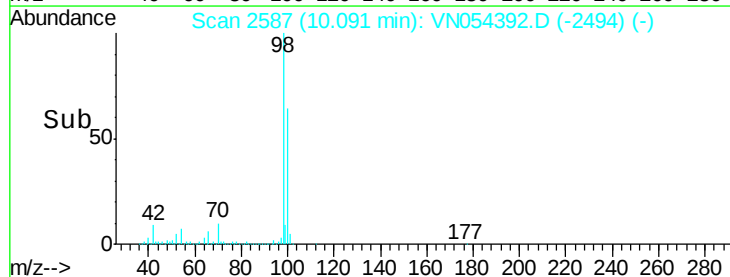
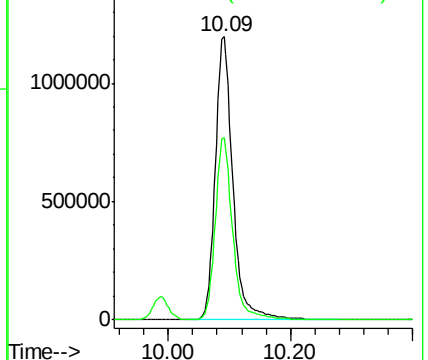
Ion Ratio Lower Upper

98 100

100 63.4 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: 104.240 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

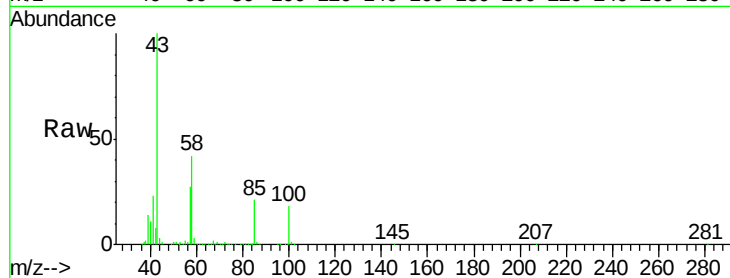
ClientSampleId :

Tot Ion: 43 Resp: 1030245

Ion Ratio Lower Upper

43 100

58 41.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-2538) (-)

9.99

600000

500000

400000

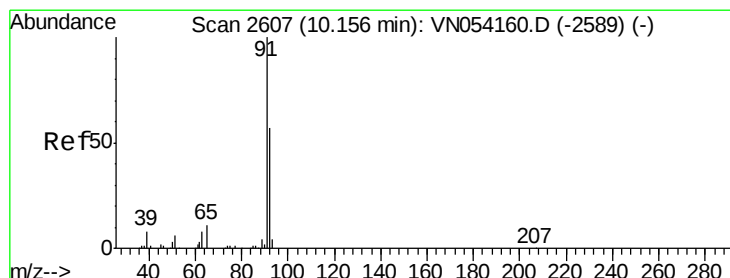
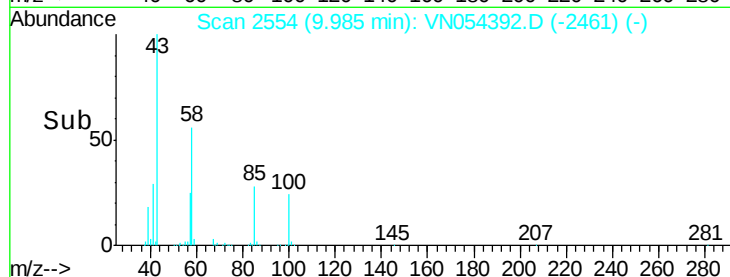
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.157 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054392.D

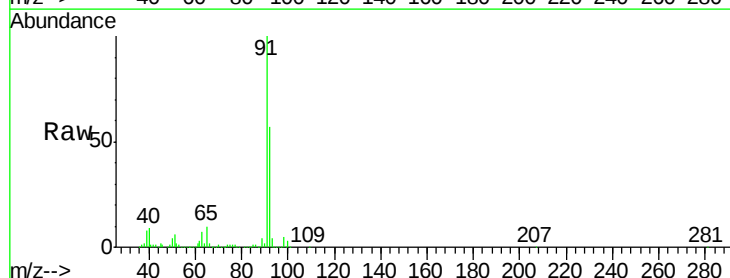
Acq: 18 Mar 2019 14:27

Tgt Ion: 92 Resp: 710850

Ion Ratio Lower Upper

92 100

91 173.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054160.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-2589) (-)

10.16

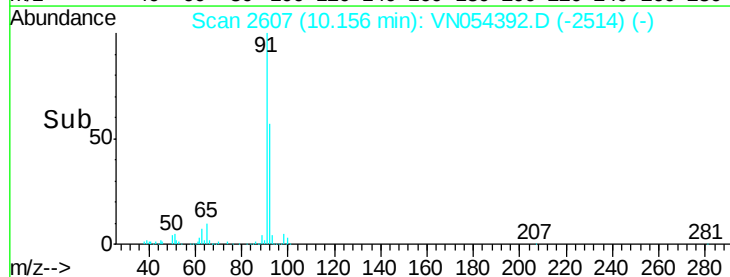
600000

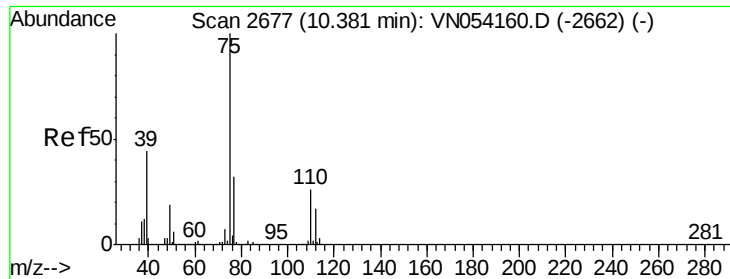
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.778 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

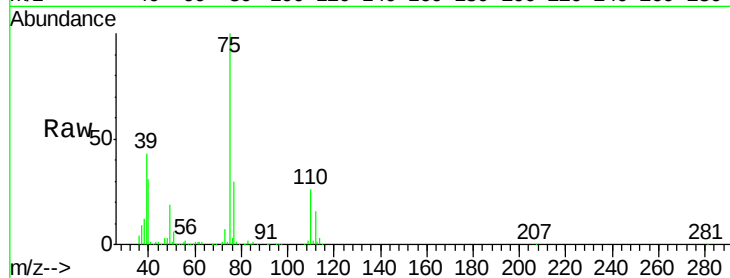
ClientSampleId :

Tot Ion: 75 Resp: 313997

Ion Ratio Lower Upper

75 100

77 29.9 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

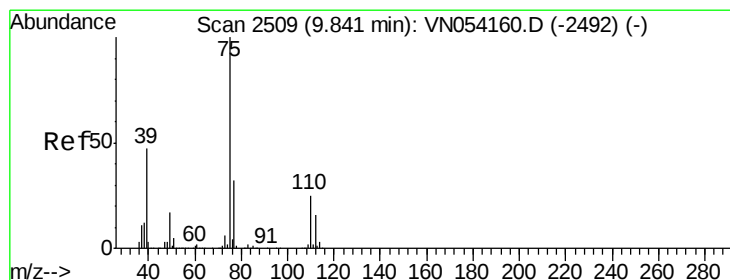
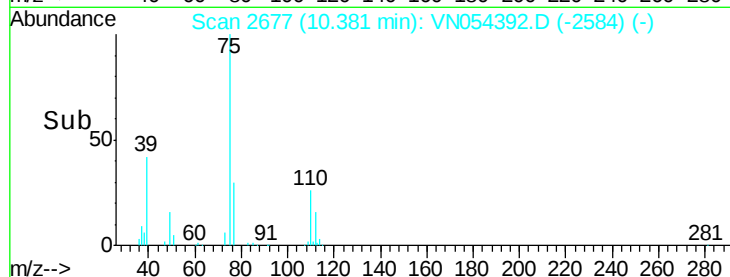
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.530 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

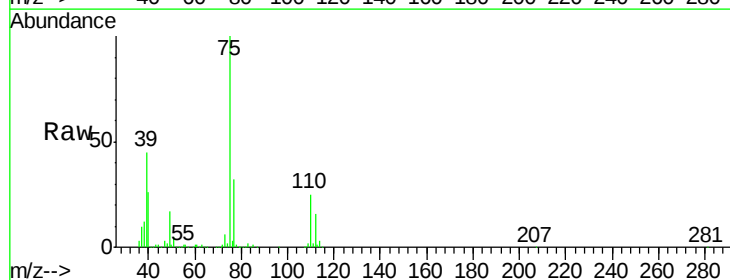
Tgt Ion: 75 Resp: 384845

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 44.7 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

9.84

250000

200000

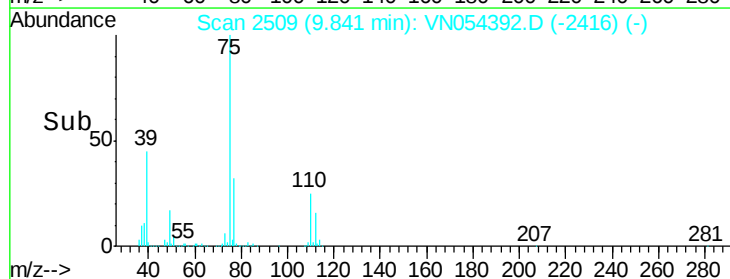
150000

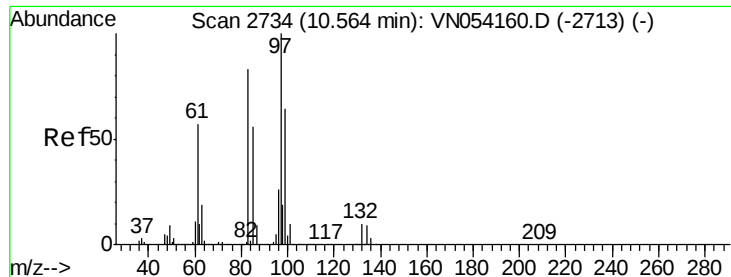
100000

50000

0

Time-->

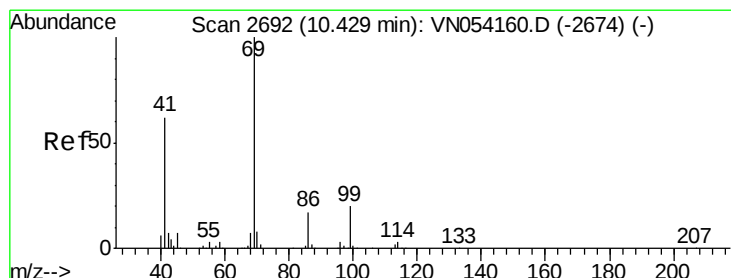
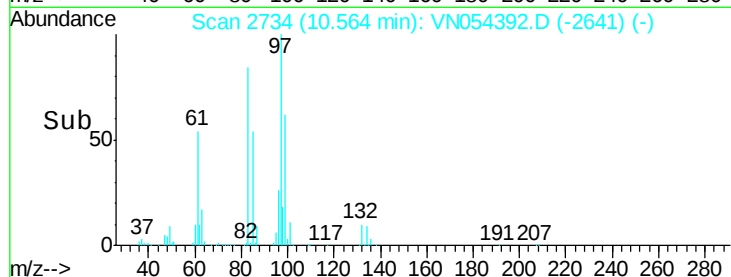
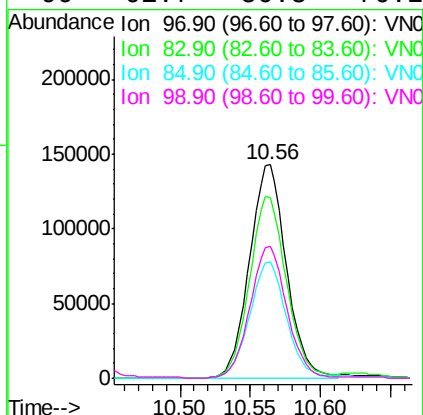
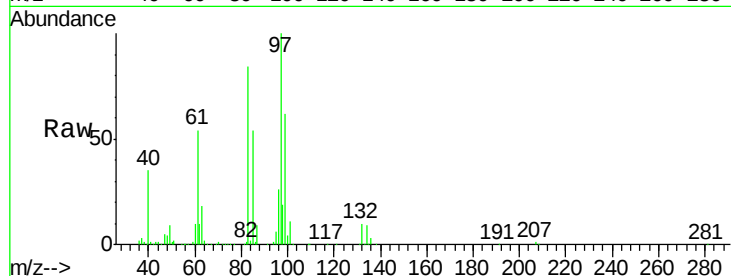




#55
 1,1,2-Trichloroethane
 Concen: 21.246 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

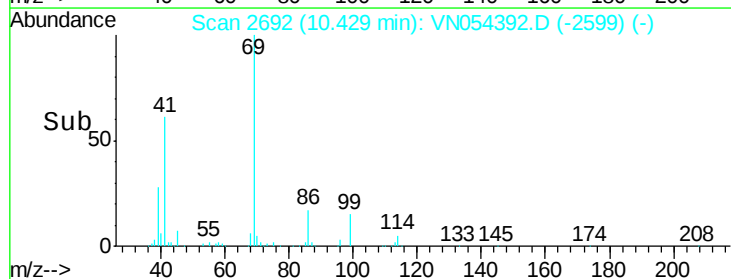
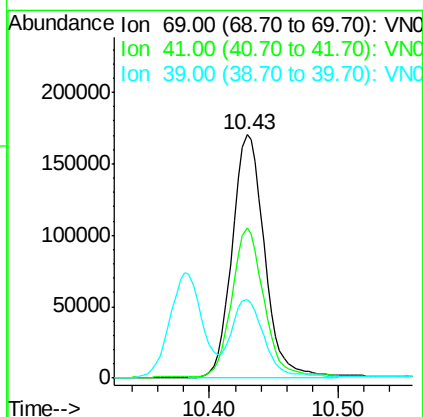
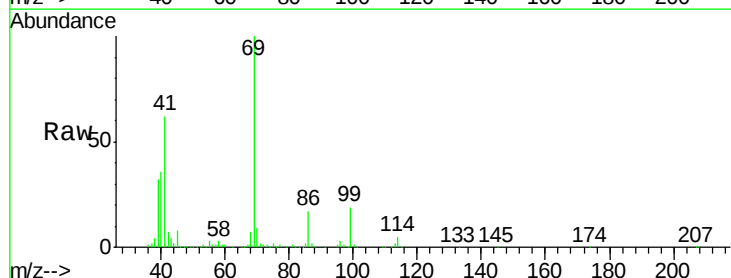
Instrument :
 MSVOA_N
 ClientSampled :

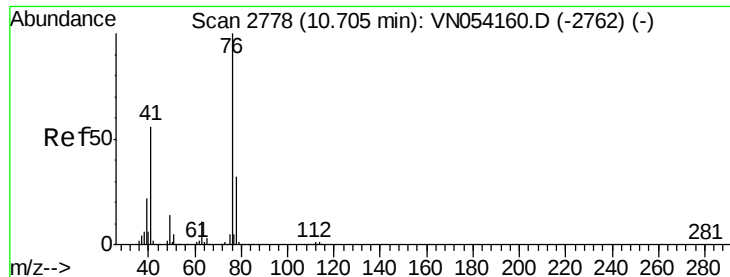
Tot Ion:	97	Resp:	260648
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.6	100.0
85	54.4	44.4	66.6
99	61.7	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.274 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

Tgt Ion:	69	Resp:	296579
Ion	Ratio	Lower	Upper
69	100		
41	61.8	49.4	74.2
39	32.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.368 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

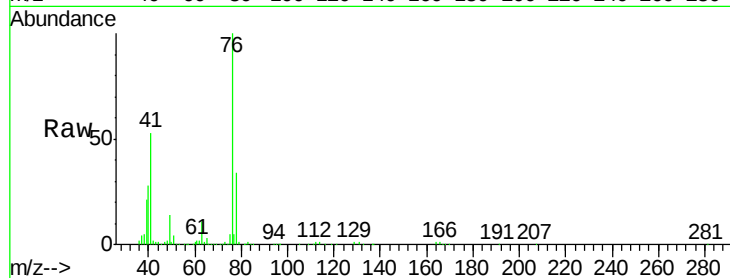
ClientSampleId :

Tot Ion: 76 Resp: 428651

Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

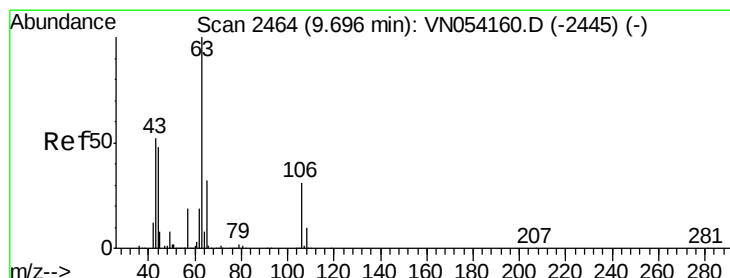
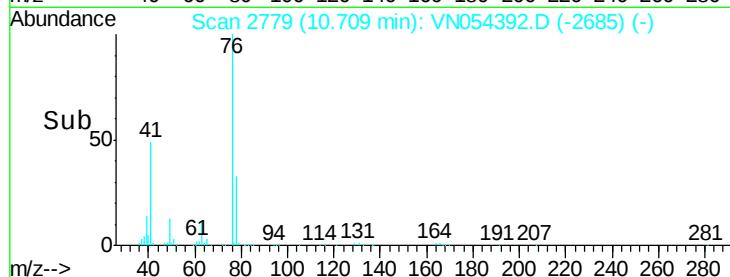
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 99.132 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054392.D

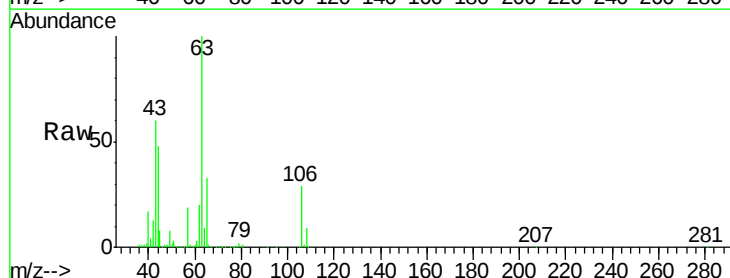
Acq: 18 Mar 2019 14:27

Tgt Ion: 63 Resp: 560025

Ion Ratio Lower Upper

63 100

106 29.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

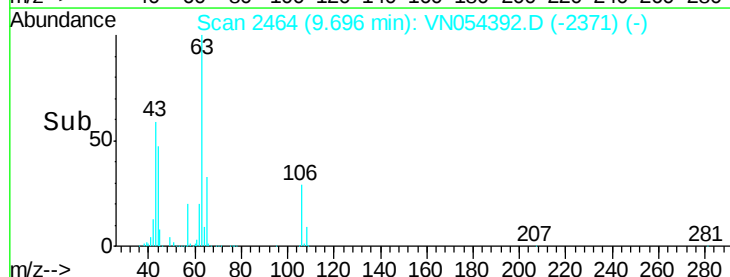
300000

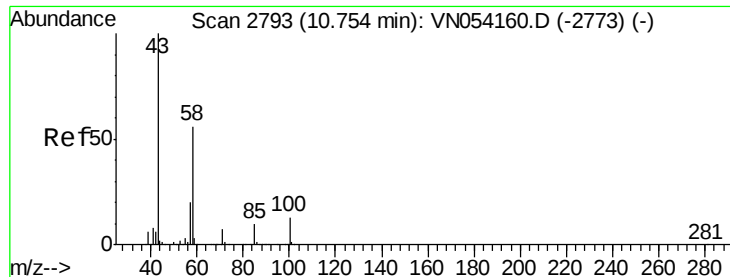
200000

100000

0

Time--> 9.60 9.70 9.80

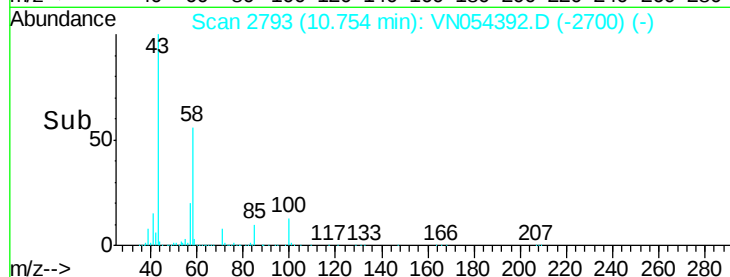
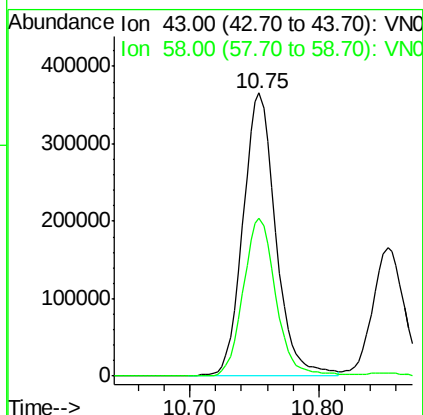
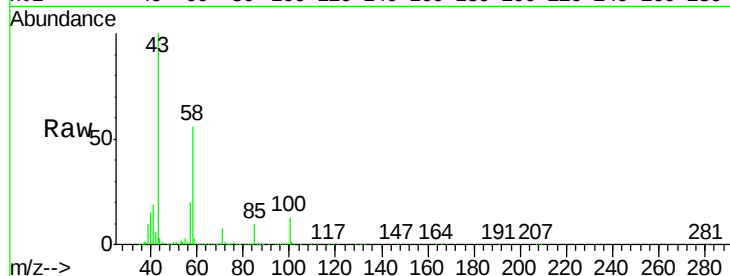




#59
2-Hexanone
Concen: 97.758 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

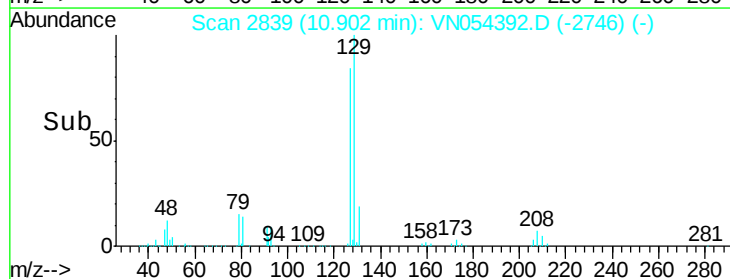
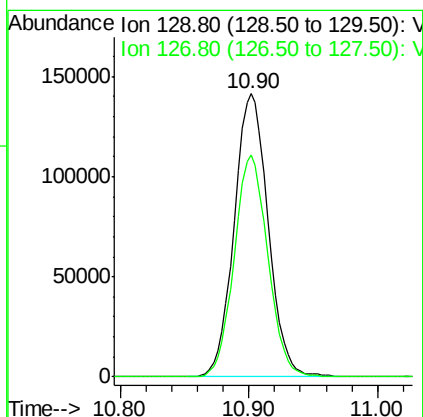
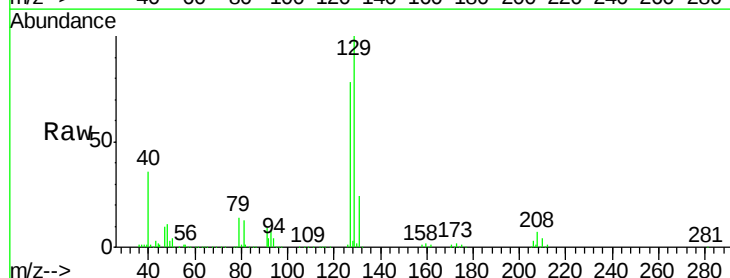
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 642896
Ion Ratio Lower Upper
43 100
58 56.0 28.0 83.9



#60
Dibromochloromethane
Concen: 18.753 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 129 Resp: 258947
Ion Ratio Lower Upper
129 100
127 77.8 38.6 115.8

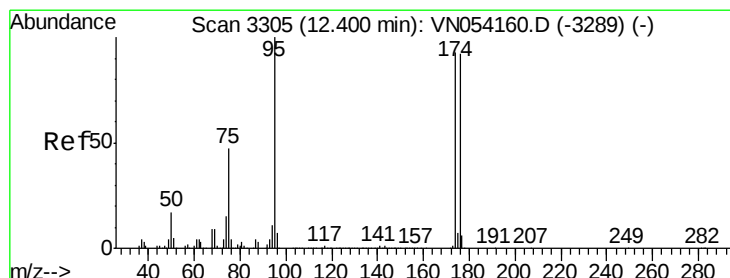
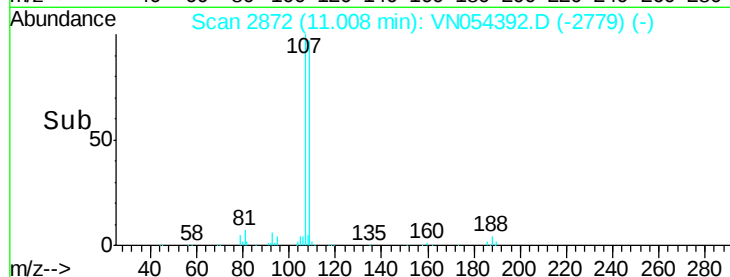
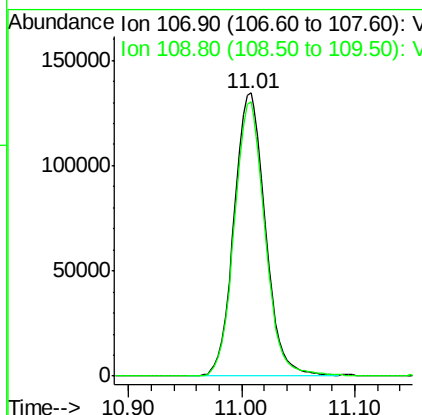
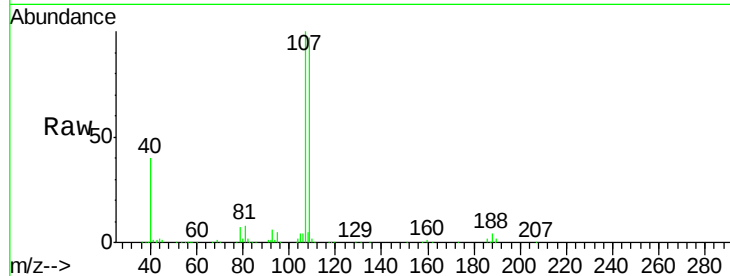




#61
 1,2-Dibromoethane
 Concen: 20.799 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

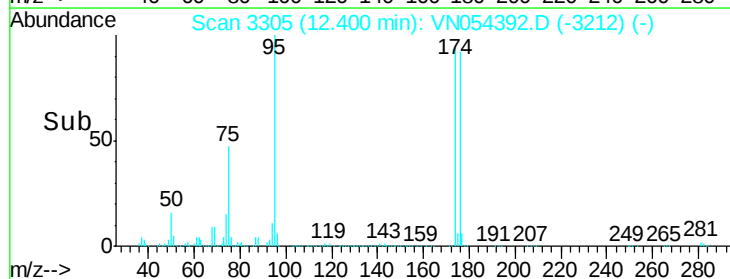
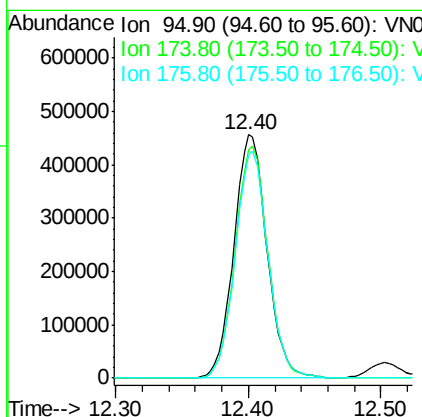
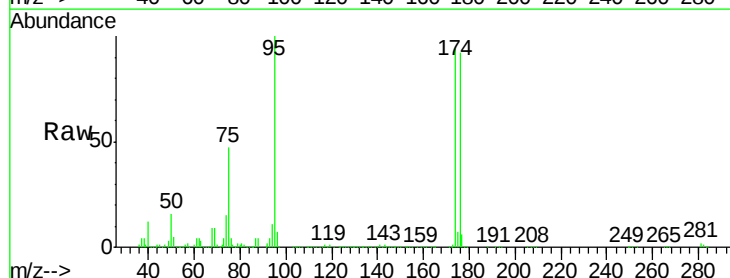
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 259300
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 46.911 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

Tgt Ion: 95 Resp: 786156
 Ion Ratio Lower Upper
 95 100
 174 95.1 0.0 191.0
 176 93.0 0.0 187.4

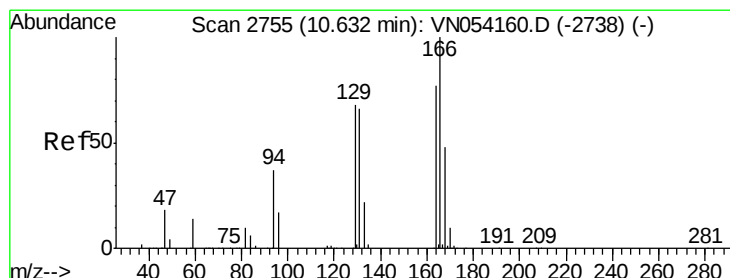
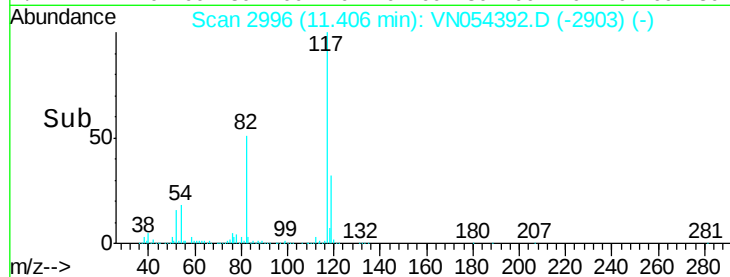
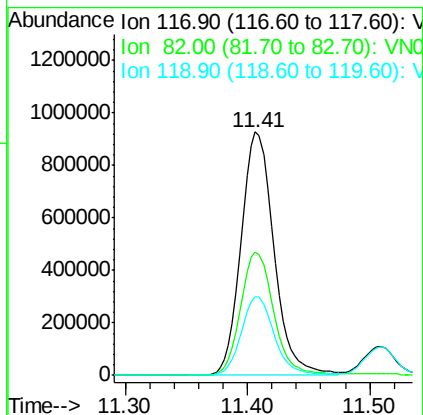
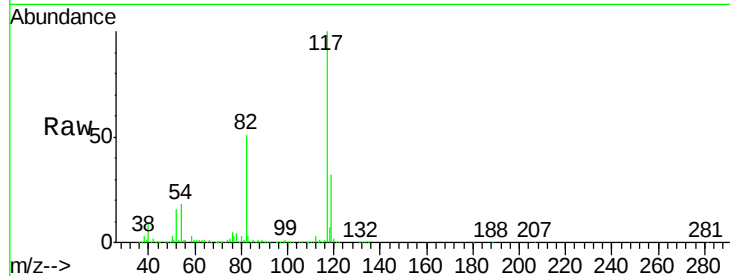




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

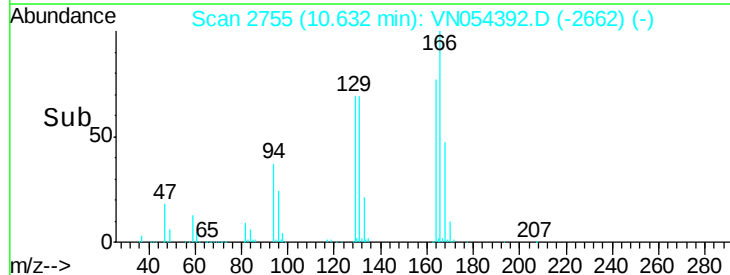
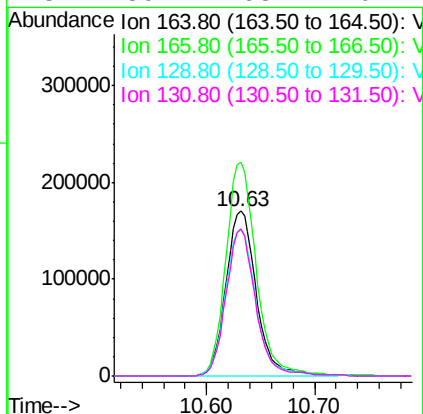
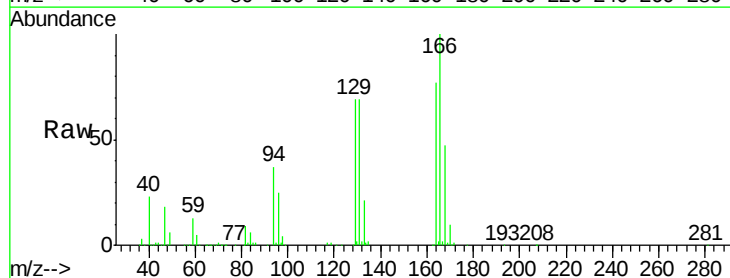
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1727138
Ion Ratio Lower Upper
117 100
82 50.7 40.0 60.0
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 19.997 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion:164 Resp: 333920
Ion Ratio Lower Upper
164 100
166 129.4 103.9 155.9
129 88.8 71.1 106.7
131 89.1 68.2 102.4

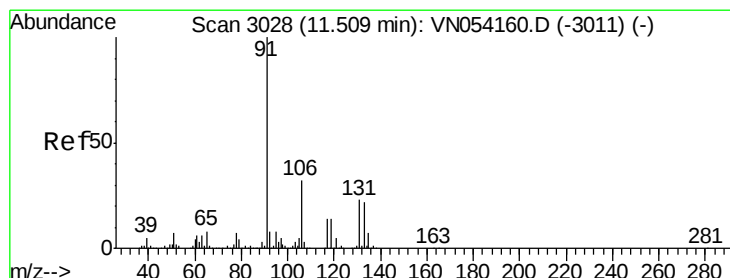
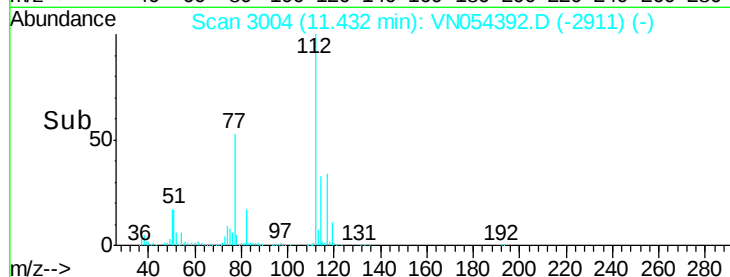
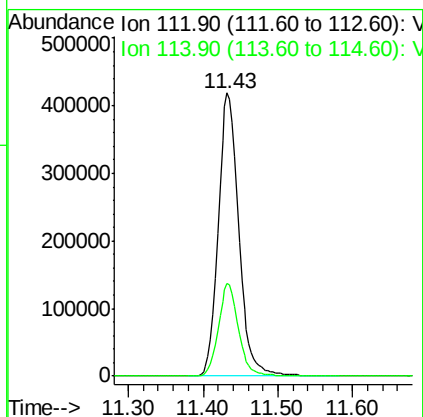
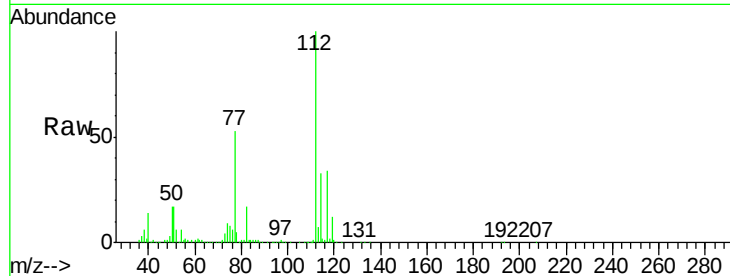




#65
Chlorobenzene
Concen: 20.998 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

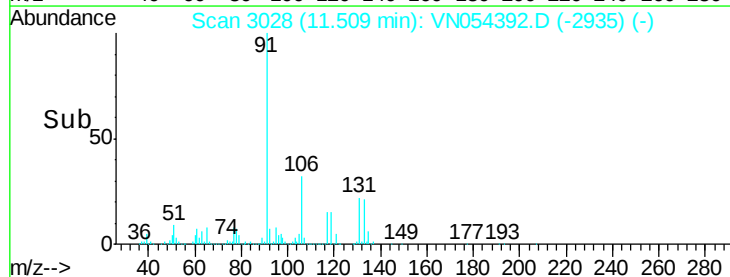
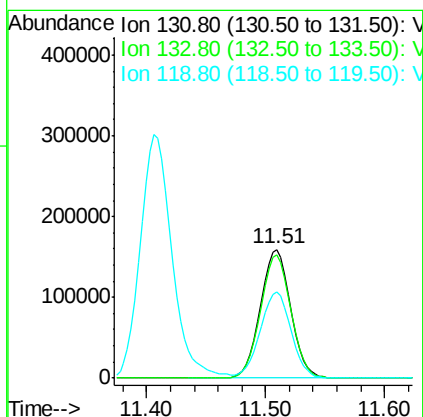
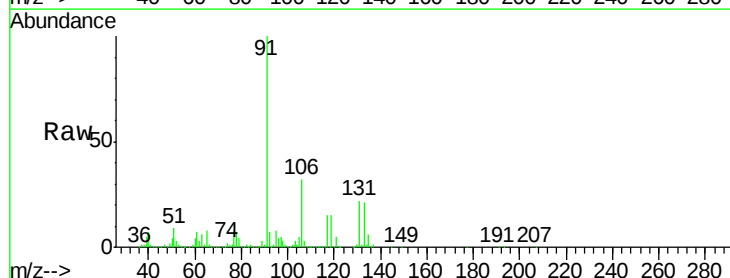
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 796300
Ion Ratio Lower Upper
112 100
114 32.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.304 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion:131 Resp: 279718
Ion Ratio Lower Upper
131 100
133 96.5 47.6 142.9
119 68.1 32.4 97.0





#67

Ethyl Benzene

Concen: 20.775 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

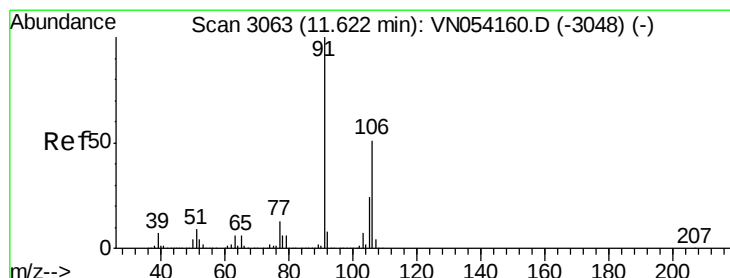
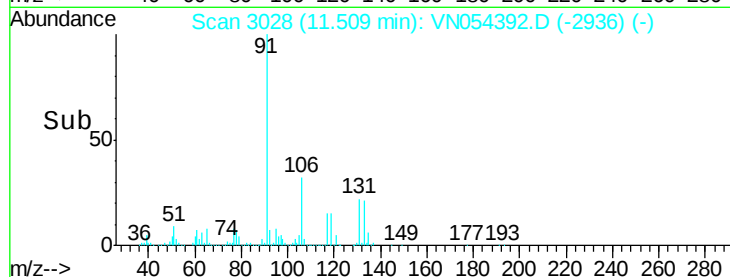
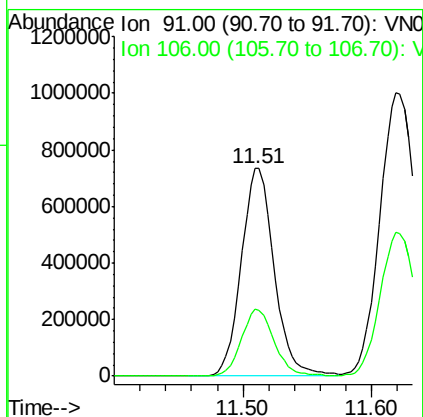
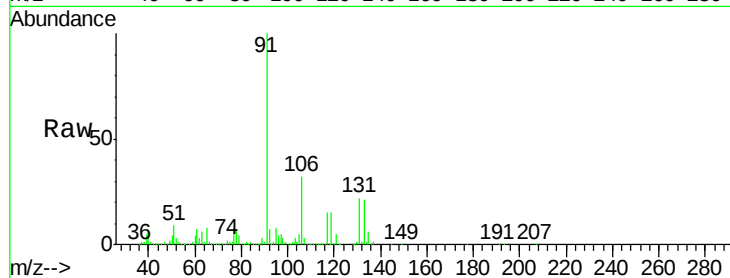
ClientSampleId :

Tot Ion: 91 Resp: 1305991

Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3



#68

m/p-Xylenes

Concen: 41.547 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054392.D

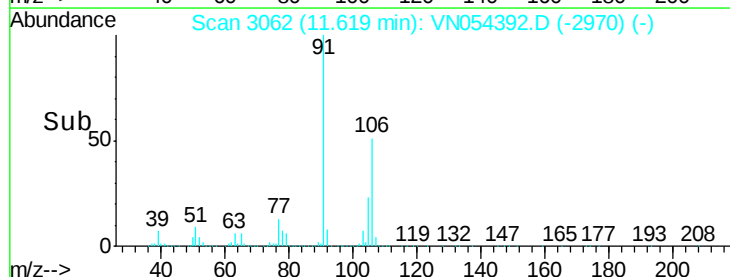
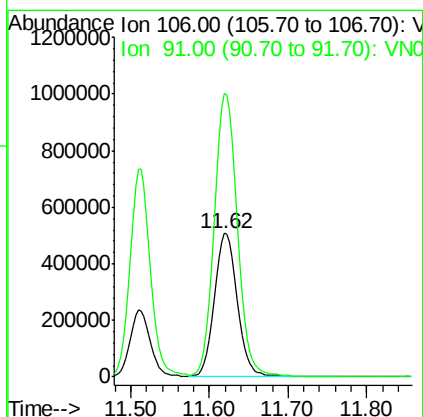
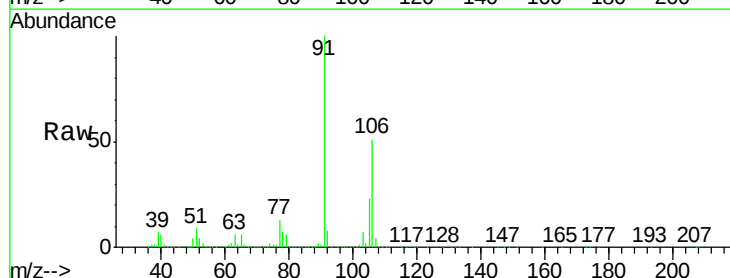
Acq: 18 Mar 2019 14:27

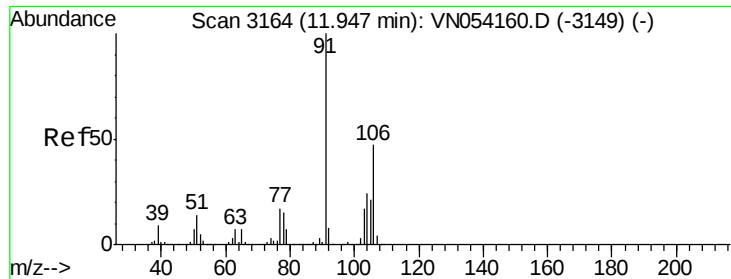
Tgt Ion: 106 Resp: 1020827

Ion Ratio Lower Upper

106 100

91 198.7 159.4 239.2

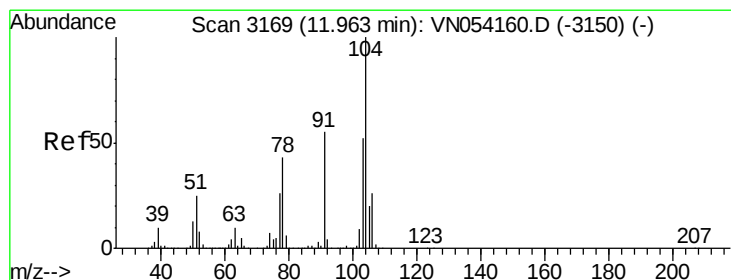
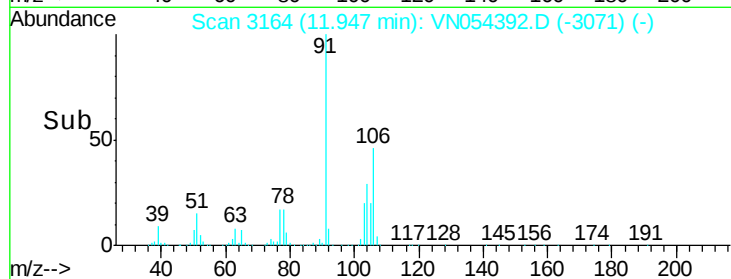
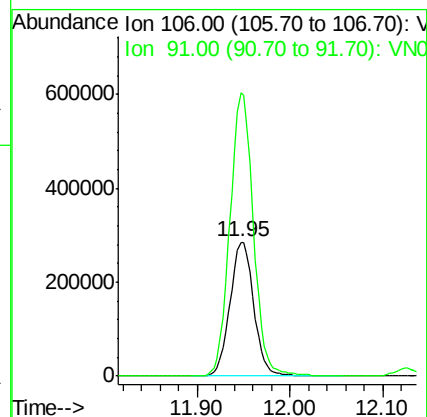
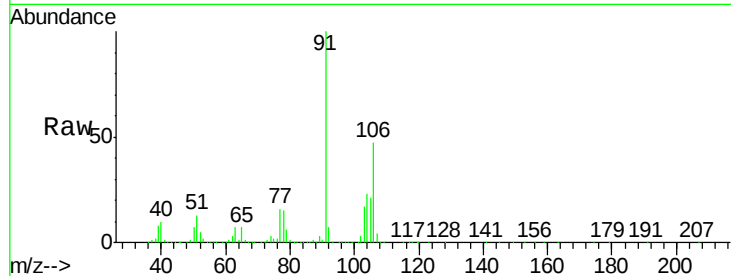




#69
o-Xylene
Concen: 21.234 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

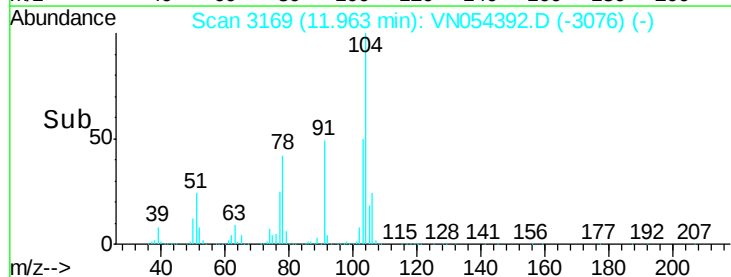
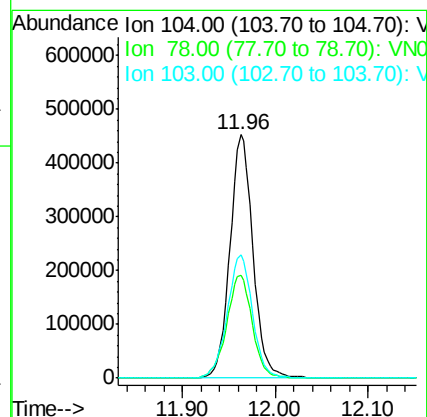
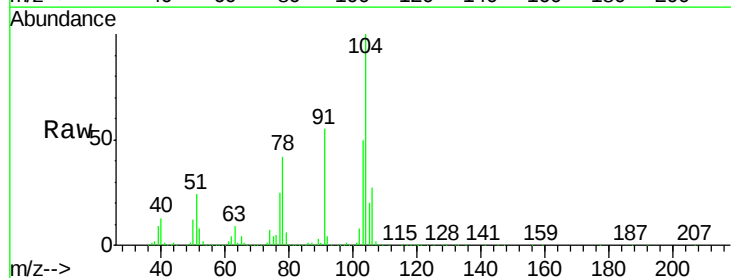
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 508594
Ion Ratio Lower Upper
106 100
91 208.5 105.7 317.1



#70
Styrene
Concen: 20.673 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion:104 Resp: 776582
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 55.7 44.4 66.6





#71

Bromoform

Concen: 16.875 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

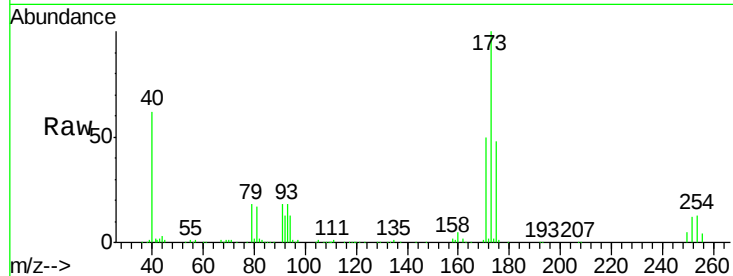
Tot Ion:173 Resp: 160058

Ion Ratio Lower Upper

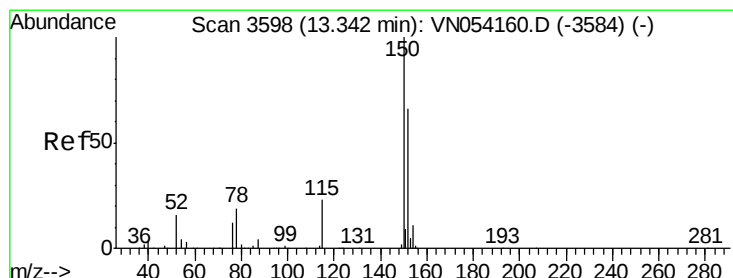
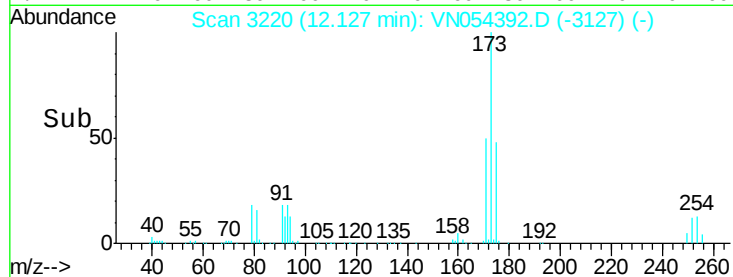
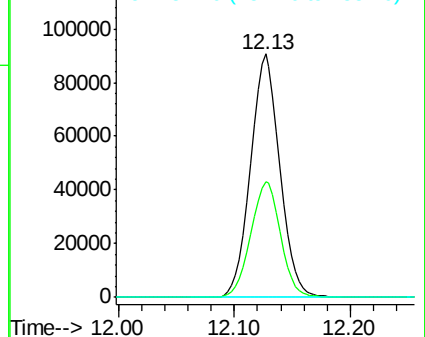
173 100

175 48.3 24.4 73.2

254 0.0 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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

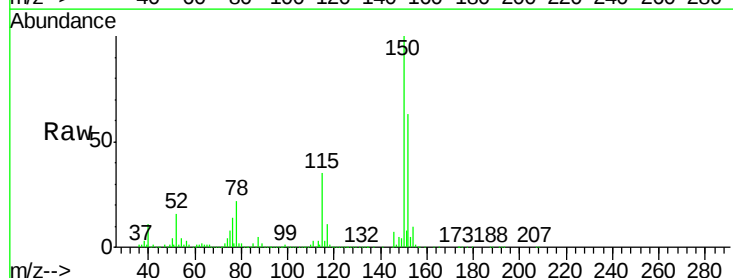
Tgt Ion:152 Resp: 746073

Ion Ratio Lower Upper

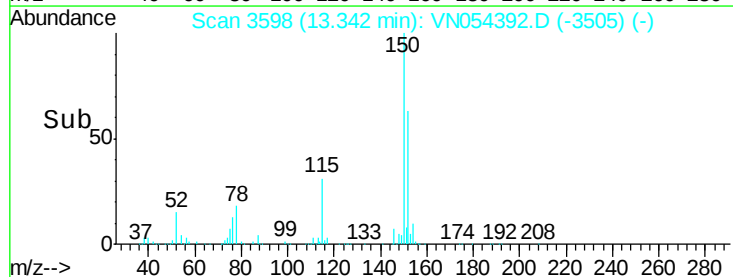
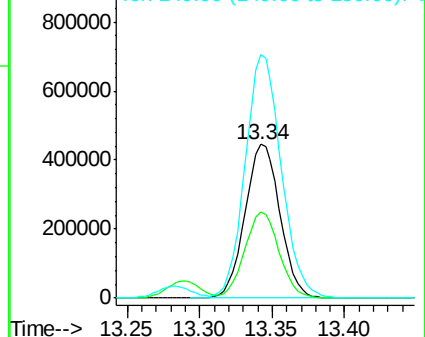
152 100

115 55.0 27.2 81.6

150 163.6 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: 22.288 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

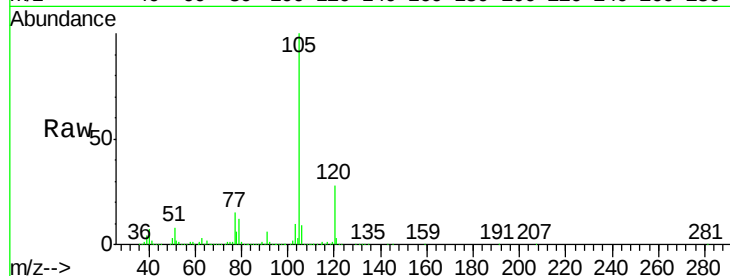
ClientSampleId :

Tot Ion:105 Resp: 1330380

Ion Ratio Lower Upper

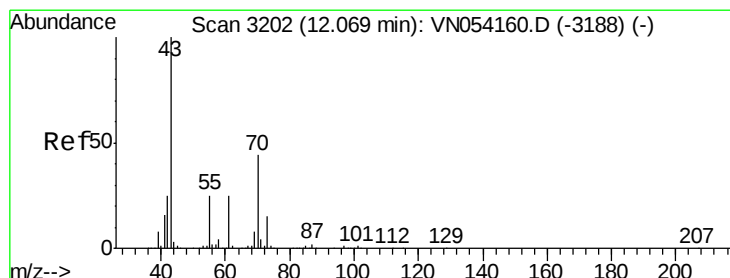
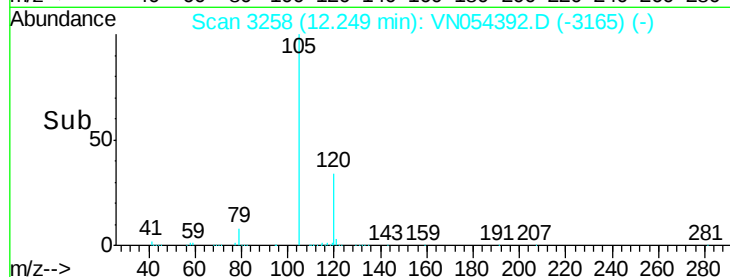
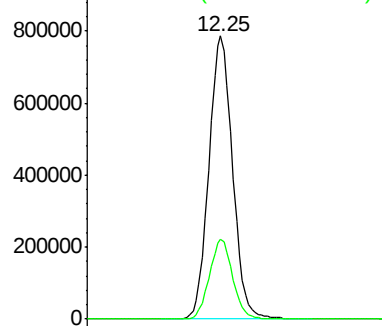
105 100

120 27.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.470 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Tgt Ion: 43 Resp: 271213

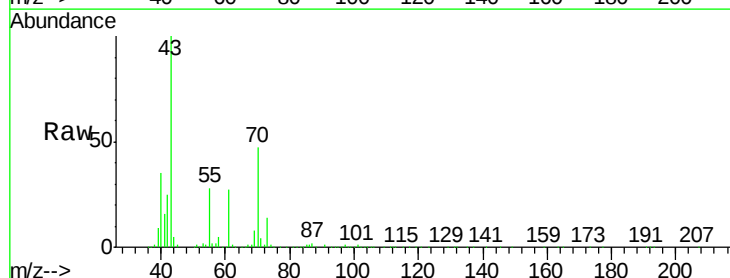
Ion Ratio Lower Upper

43 100

70 46.6 35.4 53.0

55 26.5 19.8 29.6

61 26.5 19.8 29.6

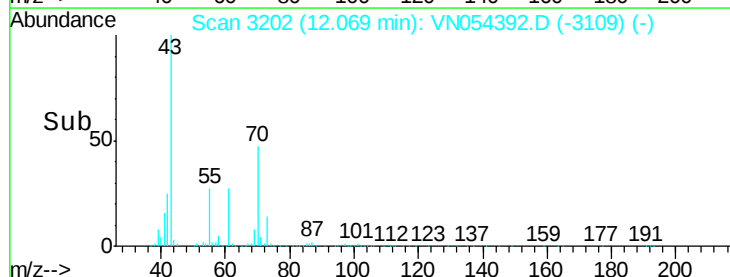
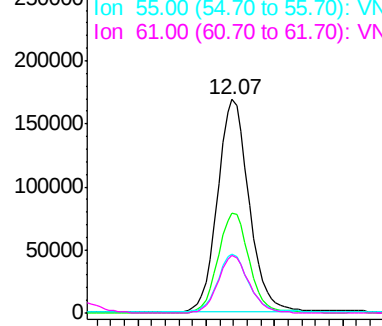


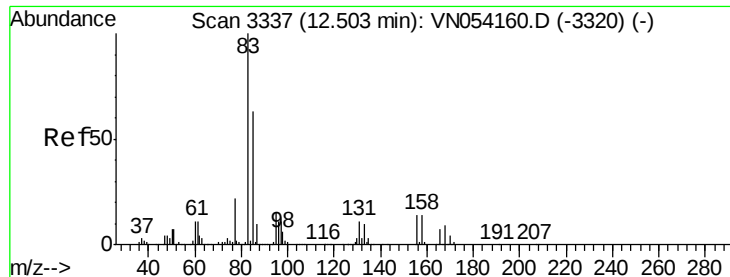
Abundance Ion 43.00 (42.70 to 43.70): V

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: 23.297 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

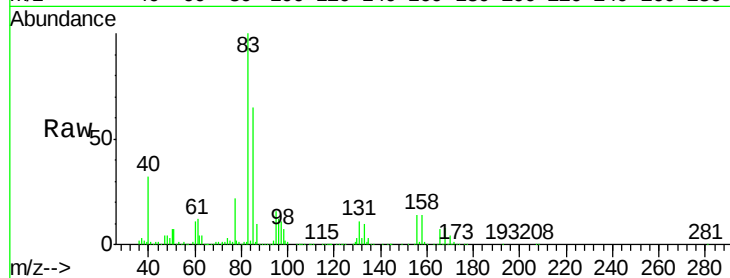
Tot Ion: 83 Resp: 296280

Ion Ratio Lower Upper

83 100

131 11.3 5.8 17.4

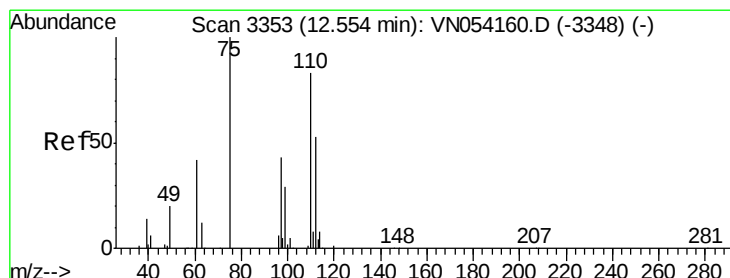
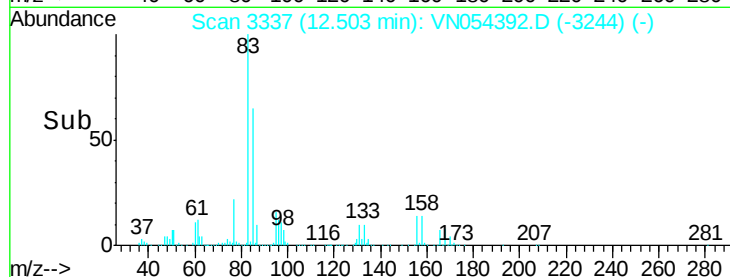
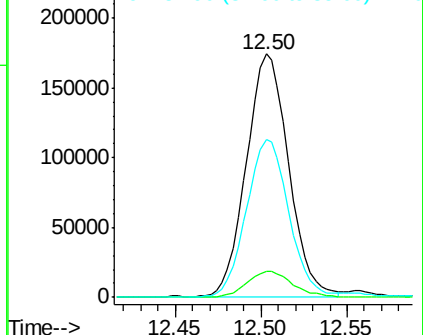
85 65.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.958 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054392.D

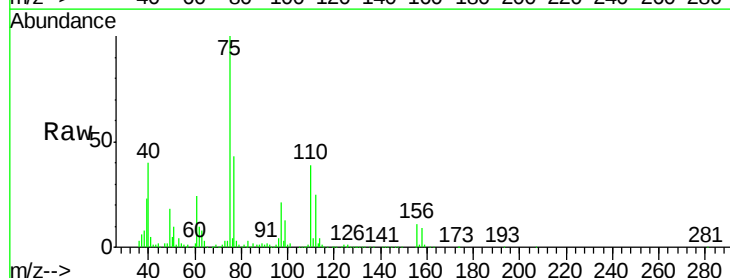
Acq: 18 Mar 2019 14:27

Tgt Ion: 75 Resp: 328678

Ion Ratio Lower Upper

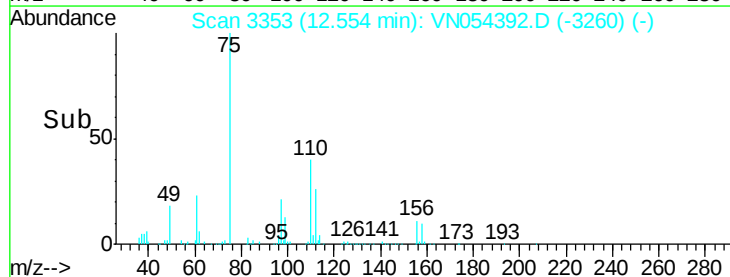
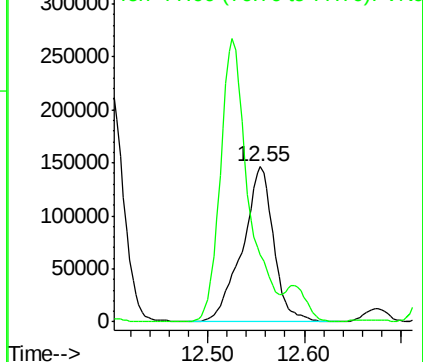
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.229 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

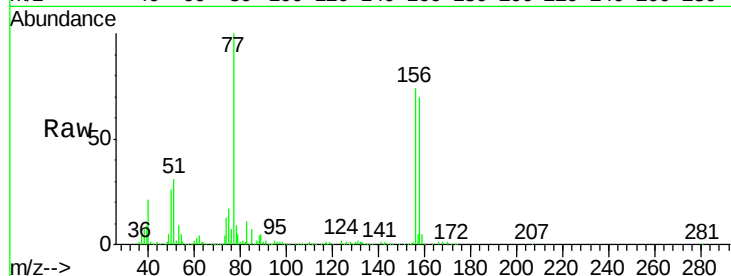
Tot Ion:156 Resp: 351105

Ion Ratio Lower Upper

156 100

77 153.4 81.5 244.4

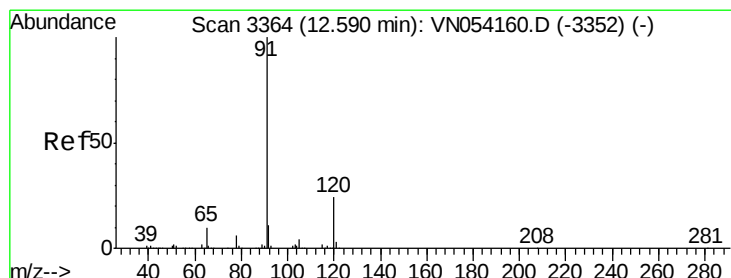
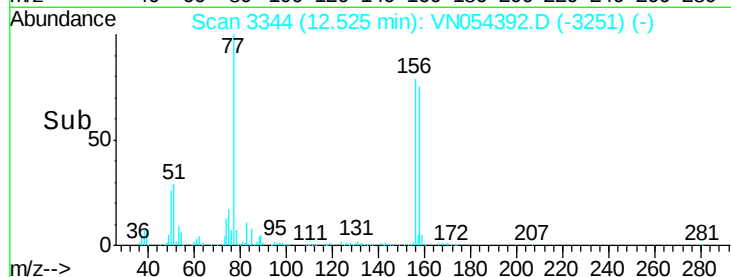
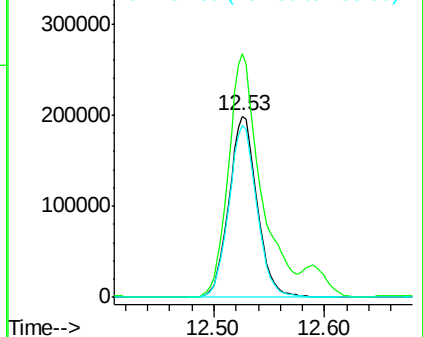
158 94.6 49.0 147.2



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: 21.510 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054392.D

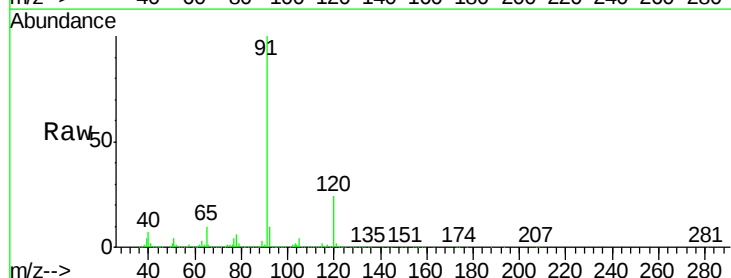
Acq: 18 Mar 2019 14:27

Tgt Ion: 91 Resp: 1393171

Ion Ratio Lower Upper

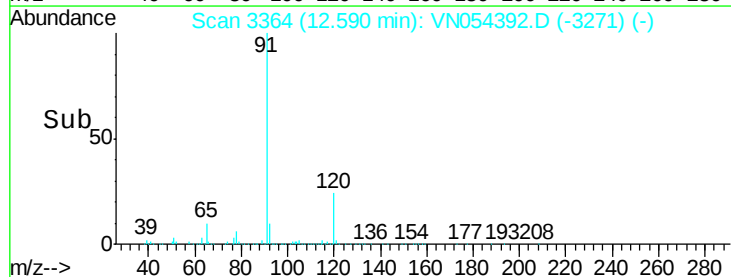
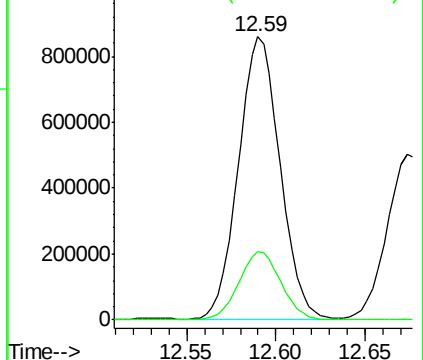
91 100

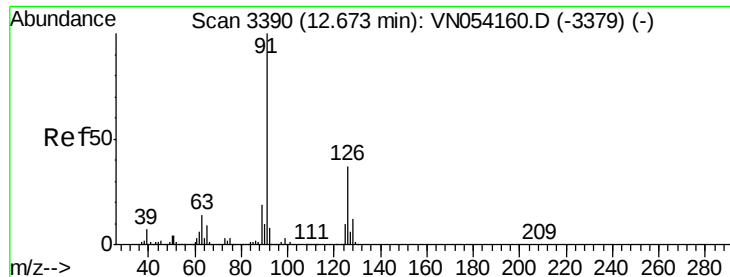
120 24.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.895 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

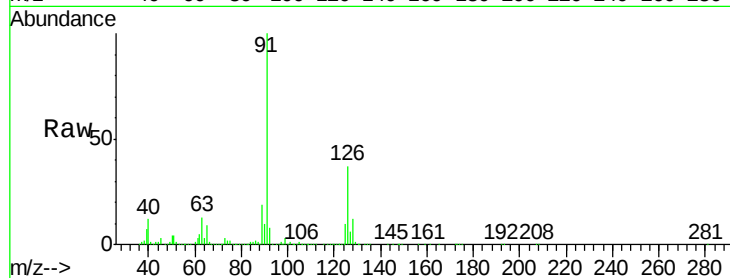
ClientSampled :

Tot Ion: 91 Resp: 852675

Ion Ratio Lower Upper

91 100

126 37.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)

800000

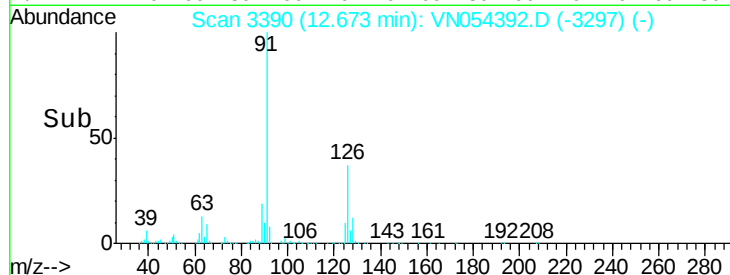
600000

400000

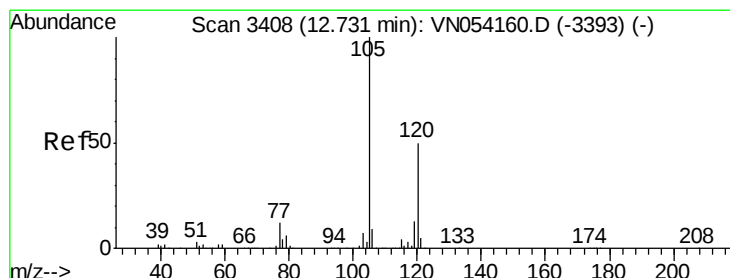
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.353 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054392.D

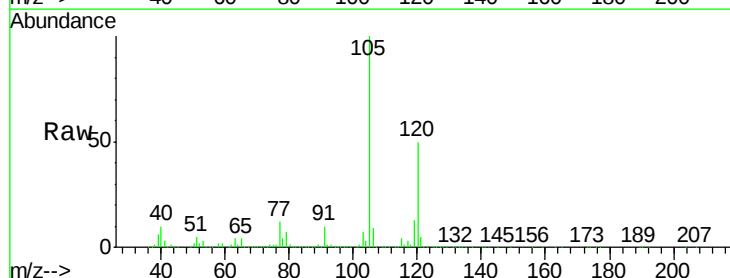
Acq: 18 Mar 2019 14:27

Tgt Ion: 105 Resp: 1060174

Ion Ratio Lower Upper

105 100

120 49.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

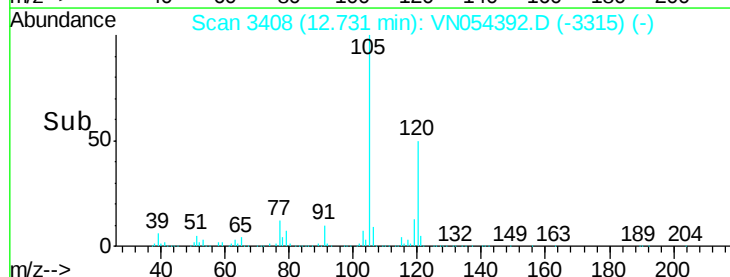
600000

400000

200000

0

12.70 12.80



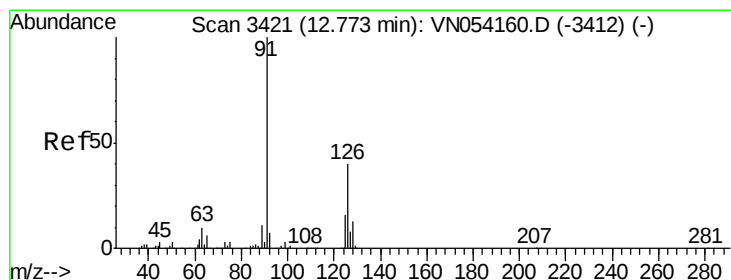
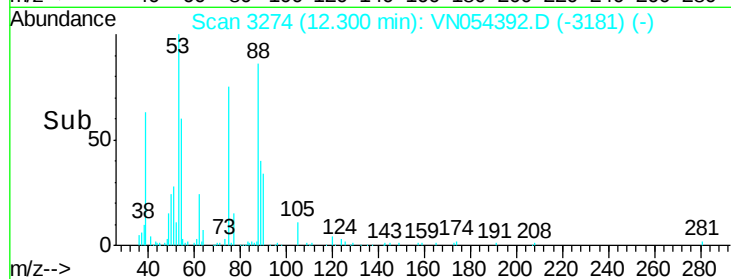
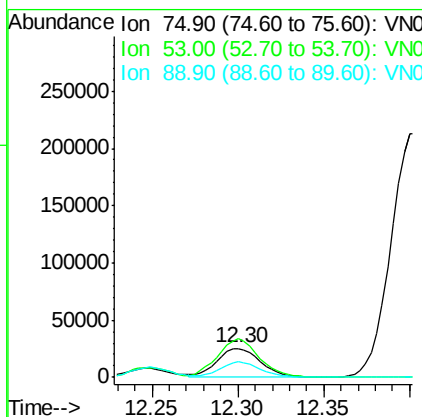
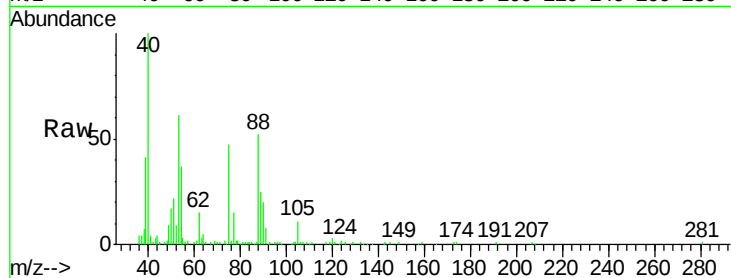
Time-->



#81
trans-1,4-Dichloro-2-butene
Concen: 13.650 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

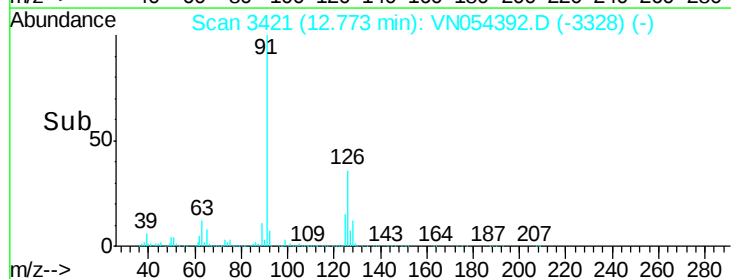
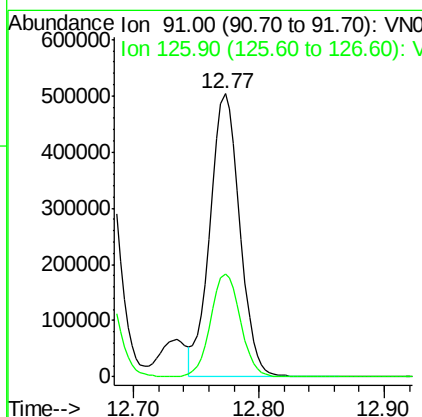
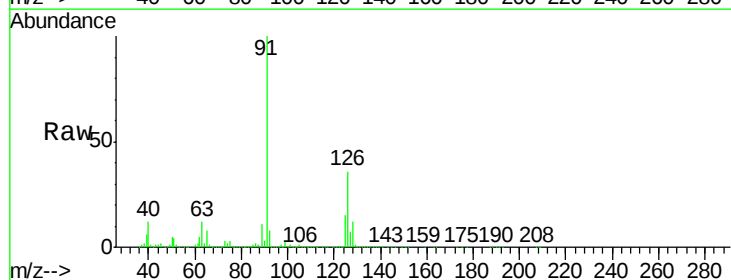
Instrument :
MSVOA_N
ClientSampled :

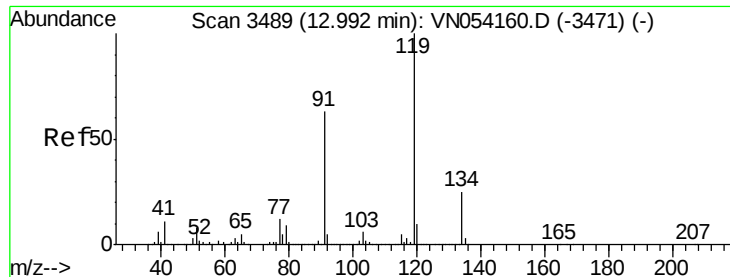
Tot Ion: 75 Resp: 43808
Ion Ratio Lower Upper
75 100
53 130.2 76.2 114.2#
89 50.9 39.2 58.8



#82
4-Chlorotoluene
Concen: 21.256 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion: 91 Resp: 826553
Ion Ratio Lower Upper
91 100
126 36.8 18.1 54.1

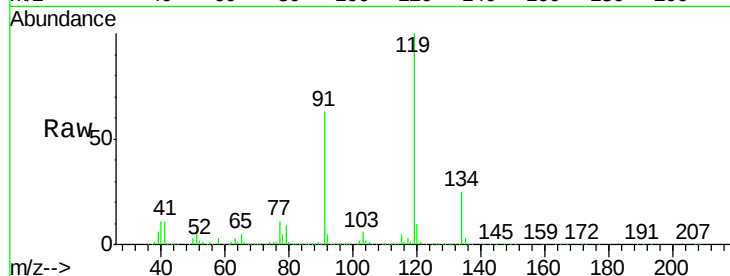




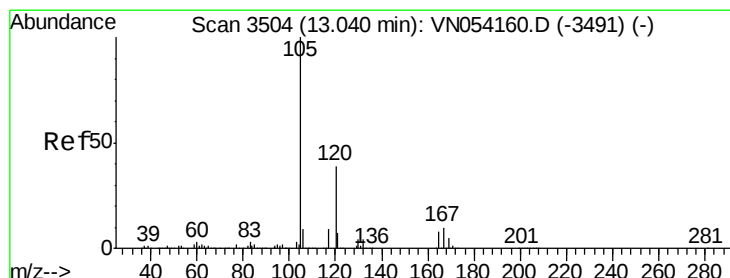
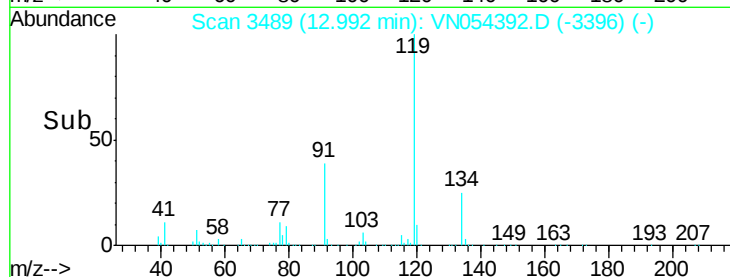
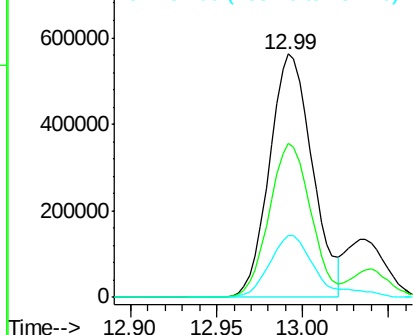
#83
tert-Butylbenzene
Concen: 21.264 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 971755
Ion Ratio Lower Upper
119 100
91 61.3 30.9 92.8
134 27.5 13.2 39.6

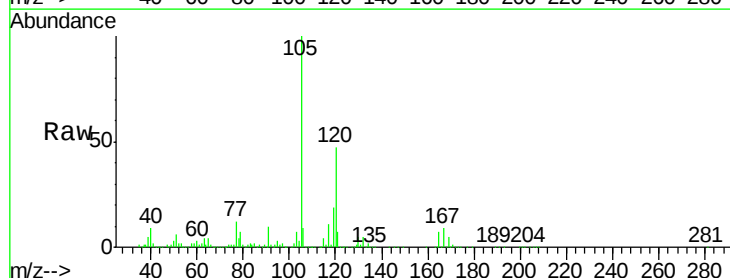


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

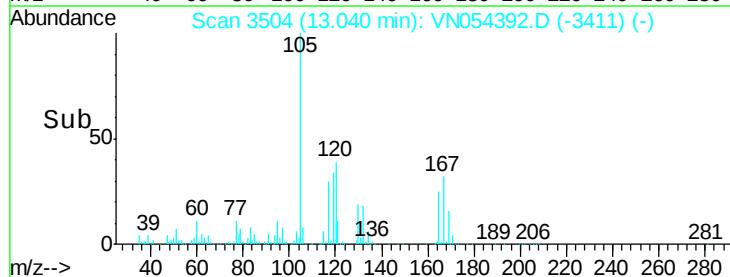
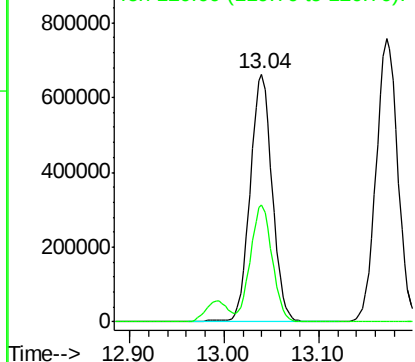


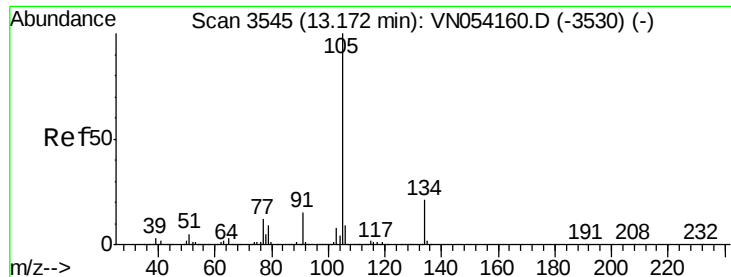
#84
1,2,4-Trimethylbenzene
Concen: 21.949 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054392.D
Acq: 18 Mar 2019 14:27

Tgt Ion:105 Resp: 1069094
Ion Ratio Lower Upper
105 100
120 47.0 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: 20.240 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

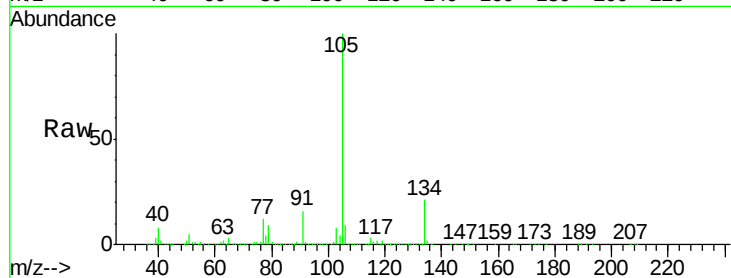
ClientSampleId :

Tot Ion:105 Resp: 1199534

Ion Ratio Lower Upper

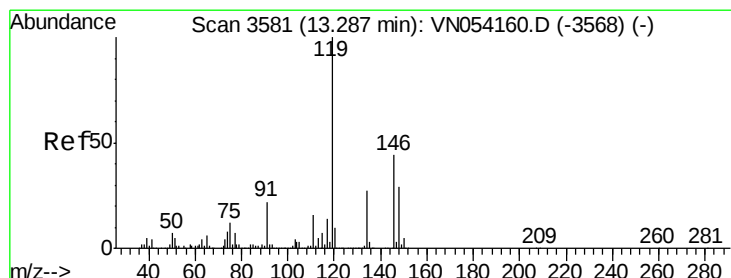
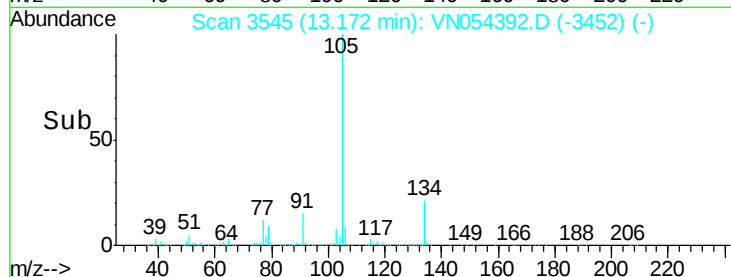
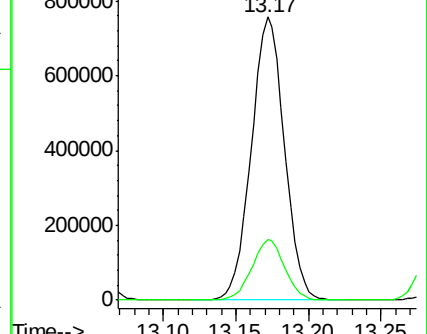
105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.915 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

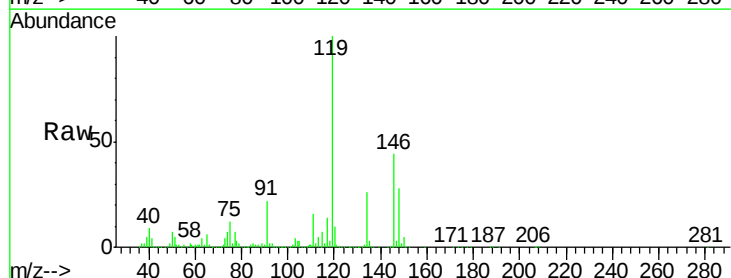
Tgt Ion:119 Resp: 1035471

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

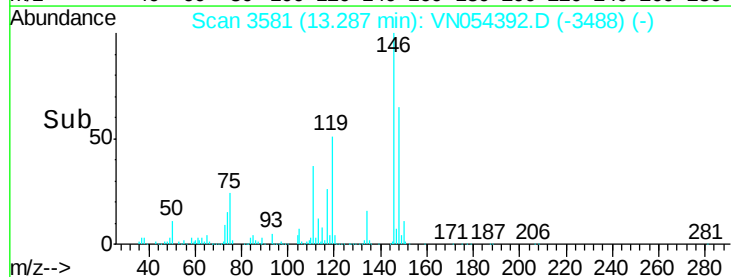
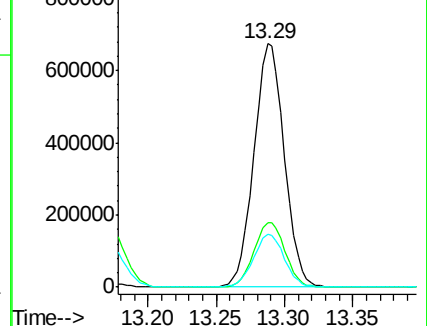
91 21.7 11.1 33.3

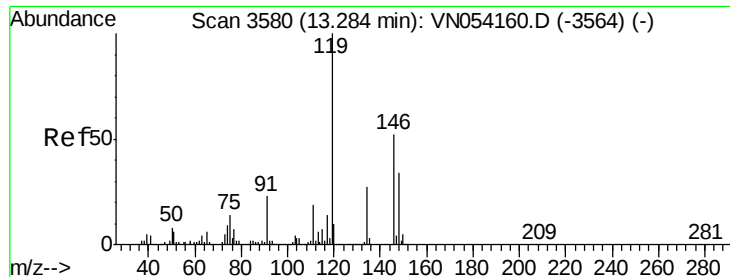


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.787 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

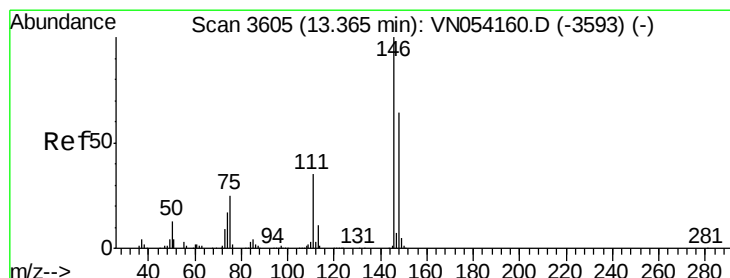
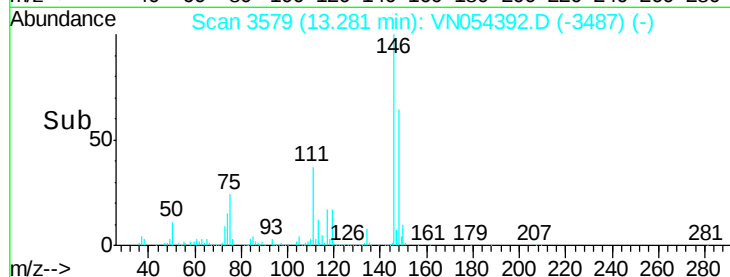
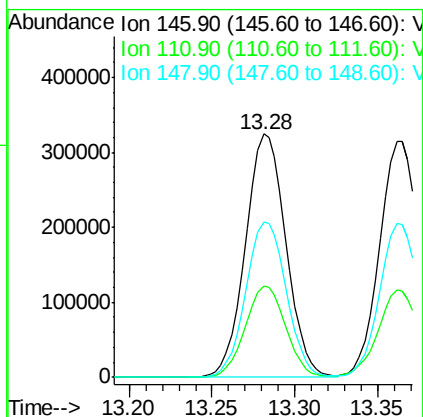
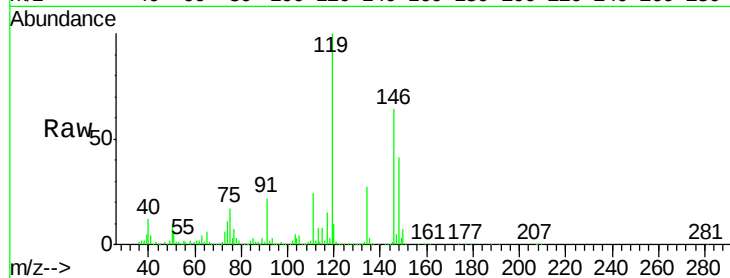
Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 553260

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.0	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 20.266 ug/l

RT: 13.36 min Scan# 3605

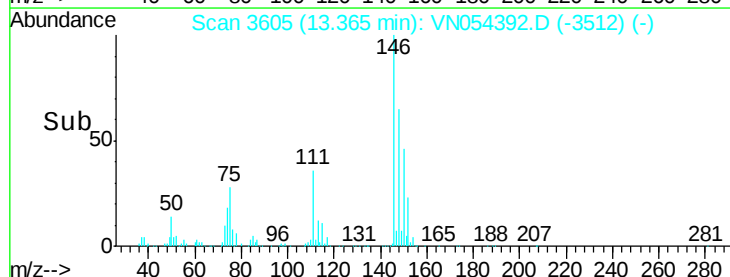
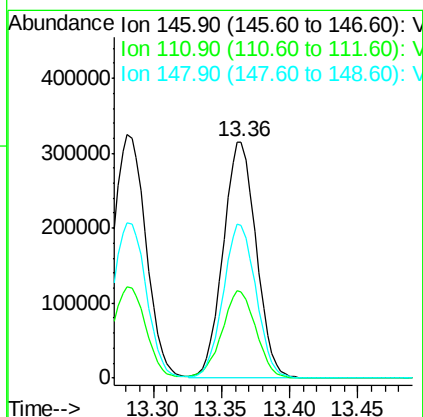
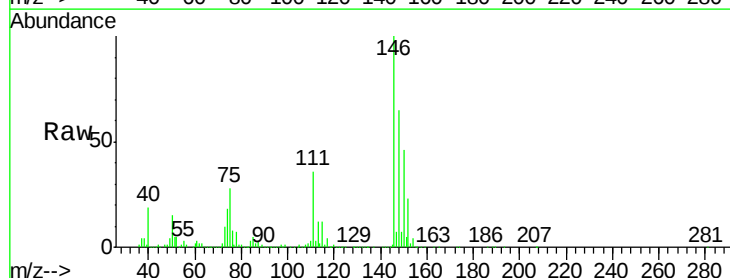
Delta R.T. 0.00 min

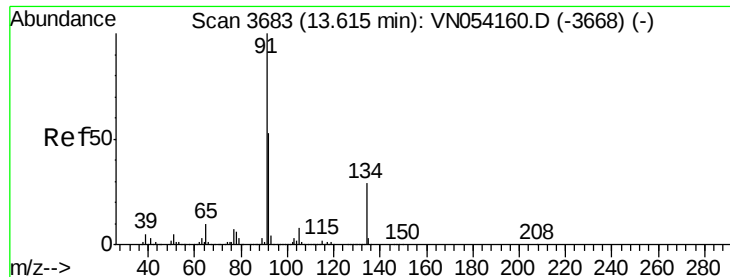
Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Tgt Ion:146 Resp: 529862

Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	65.0	32.0	96.0





#89

n-Butylbenzene

Concen: 18.541 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

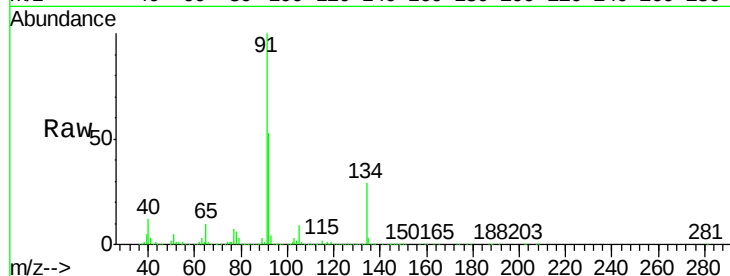
Tot Ion: 91 Resp: 732468

Ion Ratio Lower Upper

91 100

92 52.8 26.2 78.6

134 28.9 14.3 42.9

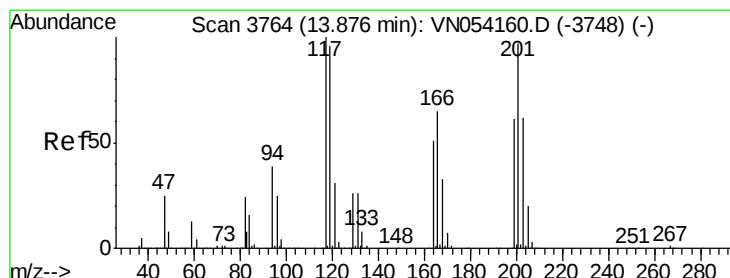
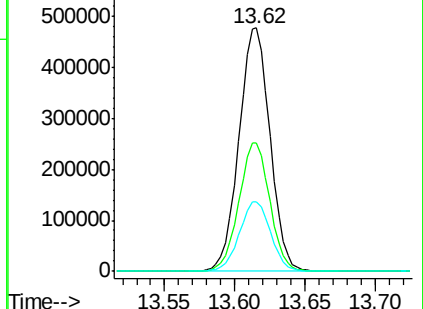
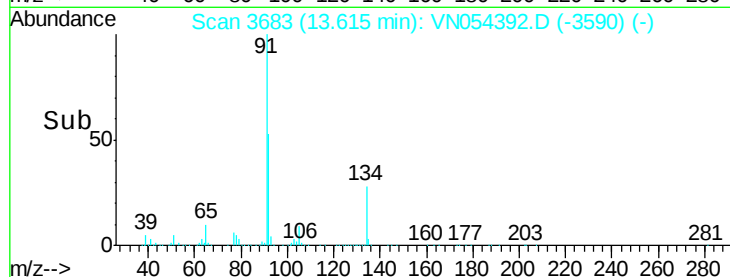


Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 16.583 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054392.D

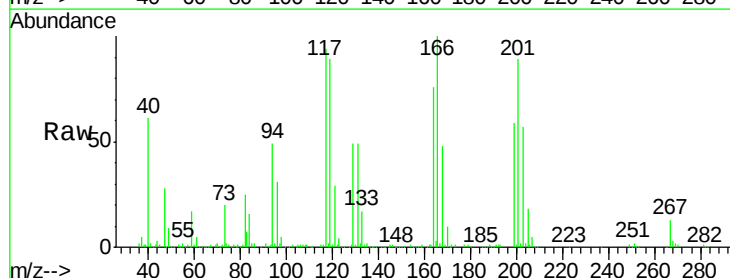
Acq: 18 Mar 2019 14:27

Tgt Ion: 117 Resp: 142767

Ion Ratio Lower Upper

117 100

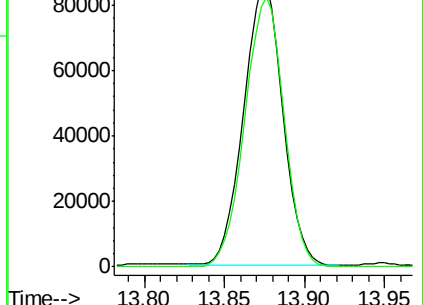
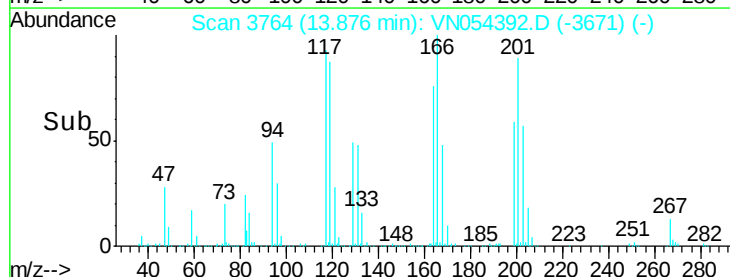
201 96.3 48.1 144.4



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

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

Time-->





#91

1,2-Dichlorobenzene

Concen: 21.473 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampled :

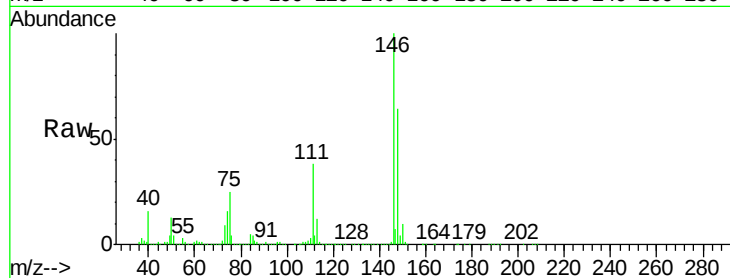
Tot Ion:146 Resp: 558691

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

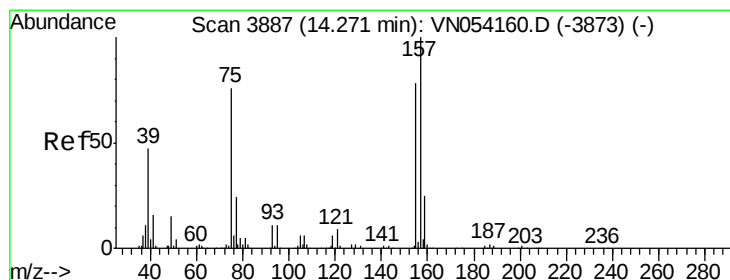
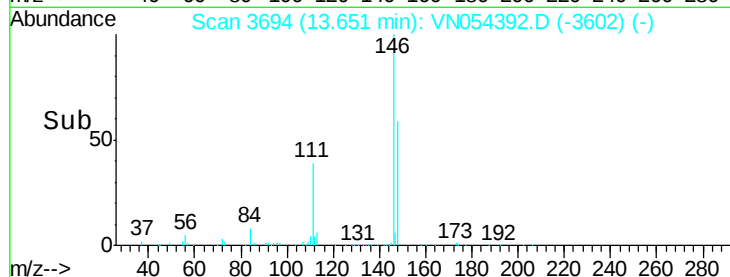
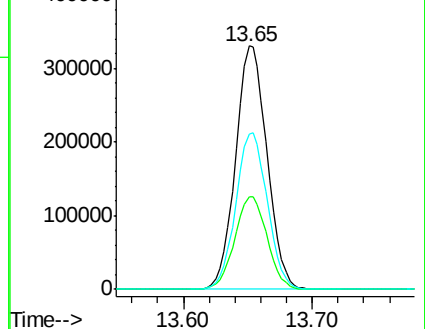
148 64.7 32.4 97.0



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: 18.395 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

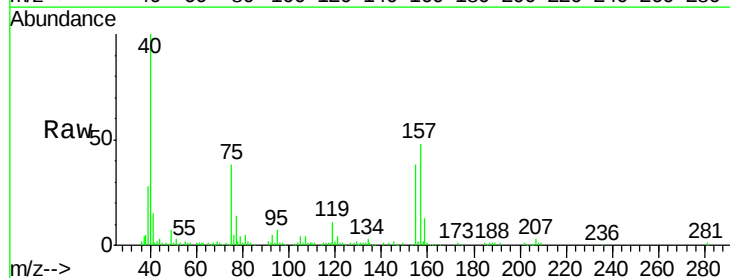
Tgt Ion: 75 Resp: 36201

Ion Ratio Lower Upper

75 100

155 104.8 50.1 150.3

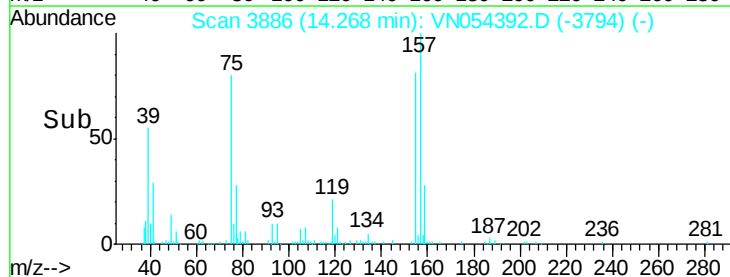
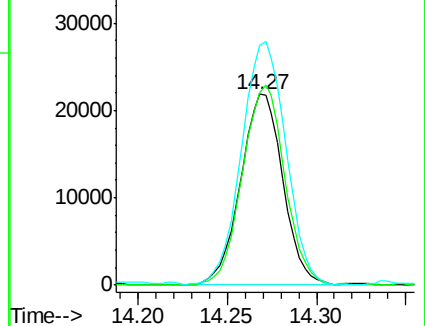
157 134.2 63.1 189.3

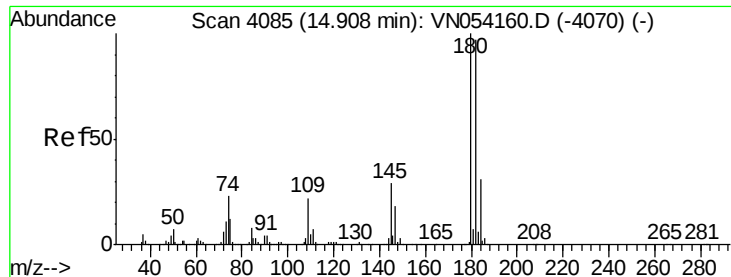


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

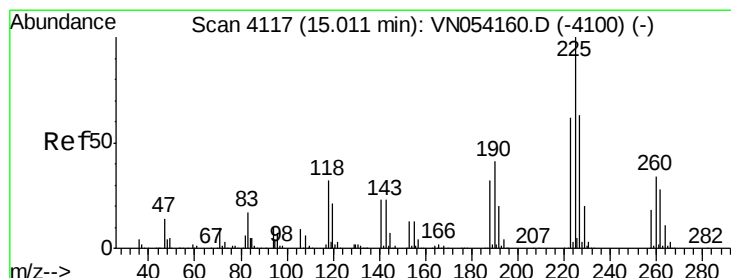
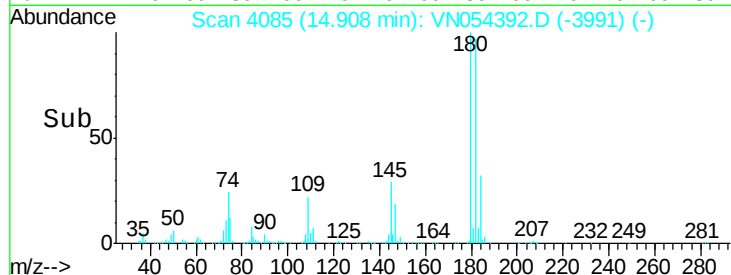
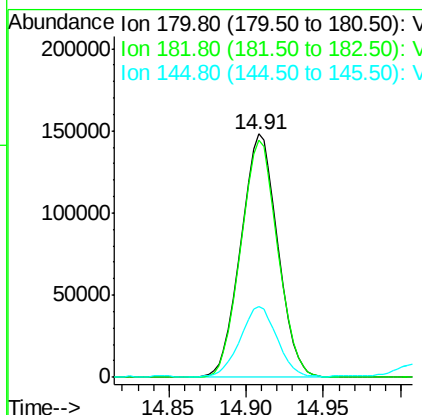
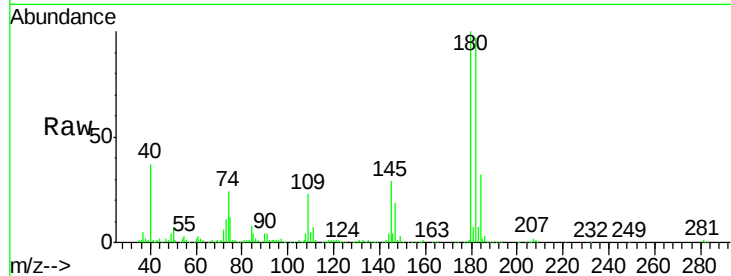




#93
 1,2,4-Trichlorobenzene
 Concen: 17.370 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

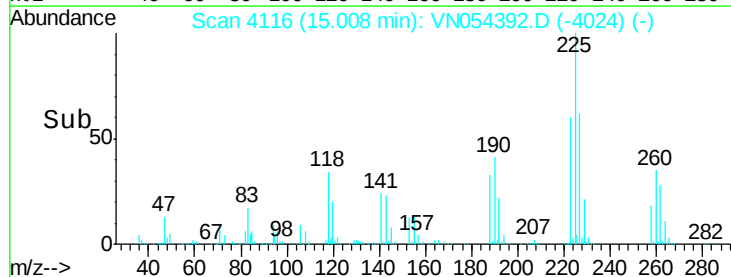
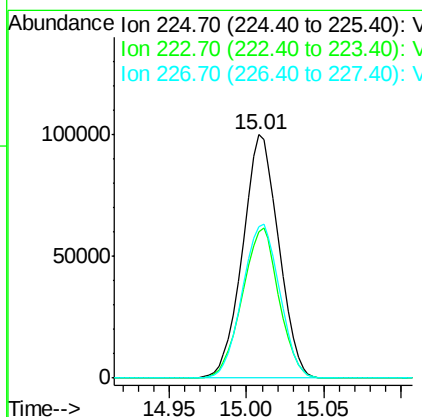
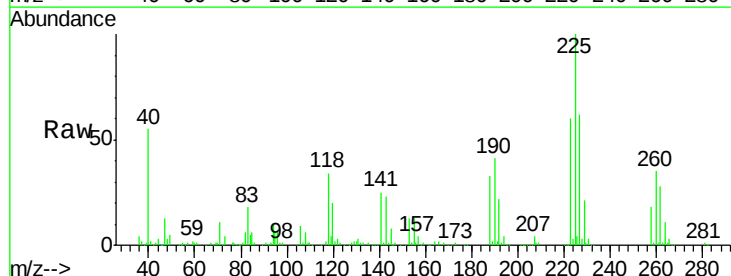
Instrument :
 MSVOA_N
 ClientSampleId :

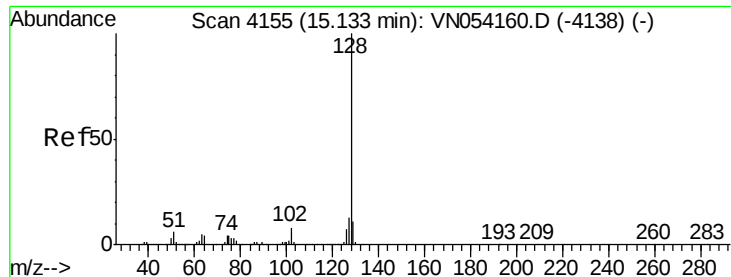
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.0	144.2
145	28.4	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 16.344 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054392.D
 Acq: 18 Mar 2019 14:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.1	93.5
227	65.5	31.9	95.9





#95

Naphthalene

Concen: 19.395 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

Instrument :

MSVOA_N

ClientSampleId :

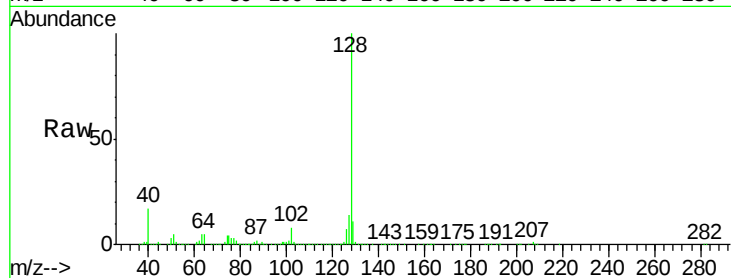
Tot Ion:128 Resp: 559992

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

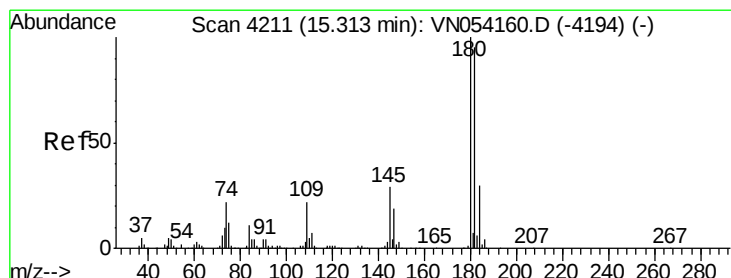
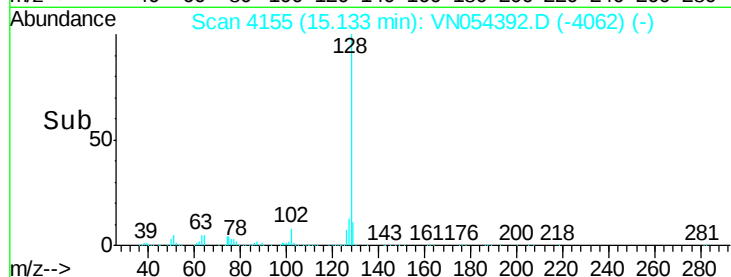
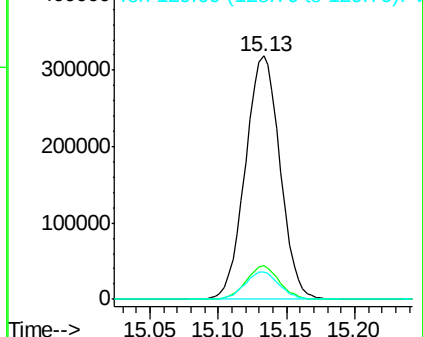
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.871 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054392.D

Acq: 18 Mar 2019 14:27

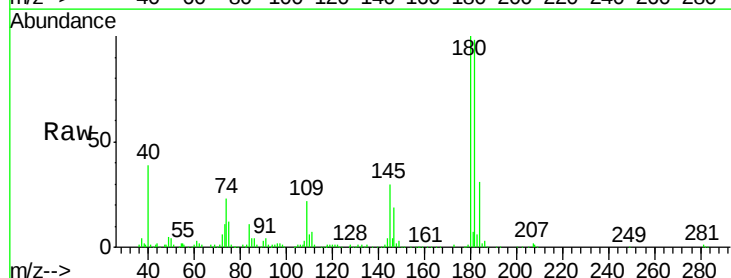
Tgt Ion:180 Resp: 260878

Ion Ratio Lower Upper

180 100

182 95.1 47.5 142.6

145 29.7 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

