

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054298.D
 Acq On : 15 Mar 2019 8:40
 Operator : JC/SP
 Sample : K1902-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30298

Quant Time: Mar 15 09:12:50 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	1482087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2433446	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2639002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1303112	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	739587	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	7.59	113	730199	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	10.09	98	3103116	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.40	95	1260451	62.15	ug/l	0.00
Spiked Amount			Recovery	=	124.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	453	1.517	ug/l #	90
11) Tert butyl alcohol	4.81	59	5375	4.981	ug/l #	79
13) Acrolein	3.60	56	91441	89.431	ug/l	99
14) Allyl chloride	4.08	41	135368	6.852	ug/l #	72
16) Acetone	3.82	43	17524045	3888.471	ug/l	99
17) Carbon Disulfide	4.04	76	17842	0.462	ug/l #	91
18) Methyl Acetate	4.33	43	330463	36.244	ug/l	99
20) Methylene Chloride	4.55	84	10167	0.687	ug/l	96
22) Diisopropyl ether	6.06	45	22757	0.577	ug/l #	1
23) Vinyl Acetate	6.06	43	57642	1.983	ug/l #	70
24) 1,1-Dichloroethane	5.85	63	6905	0.273	ug/l #	87
25) 2-Butanone	6.84	43	968811	183.159	ug/l	99
29) Tetrahydrofuran	7.21	42	2890	0.850	ug/l #	1
31) Cyclohexane	7.66	56	20625	Below Cal	#	1
36) 1,1-Dichloropropene	7.84	75	6659	0.297	ug/l #	40
37) Ethyl Acetate	6.94	43	2087798	162.140	ug/l	96
38) Carbon Tetrachloride	7.66	117	117084	4.982	ug/l #	16
40) Benzene	8.04	78	15399	0.240	ug/l	98
41) Methacrylonitrile	7.21	41	23123	3.145	ug/l #	29
43) Isopropyl Acetate	8.17	43	7027	0.311	ug/l #	86
44) Trichloroethene	8.83	130	6632	0.333	ug/l	91
48) Methyl methacrylate	9.17	41	52688	4.594	ug/l #	35
49) 1,4-Dioxane	9.20	88	2729	16.821	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	324613	27.139	ug/l #	72
52) Toluene	10.16	92	307630	7.566	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320	1.998	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	8140	0.548	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.46	63	352	16.871	ug/l	97
59) 2-Hexanone	10.72	43	1797297	225.824	ug/l #	23
60) Dibromochloromethane	10.63	129	112327	6.722	ug/l #	11
64) Tetrachloroethene	10.63	164	127217	4.986	ug/l	98
67) Ethyl Benzene	11.51	91	1328240	13.828	ug/l	100
68) m/p-Xylenes	11.62	106	2740340	72.993	ug/l	99
69) o-Xylene	11.95	106	1797138	49.105	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

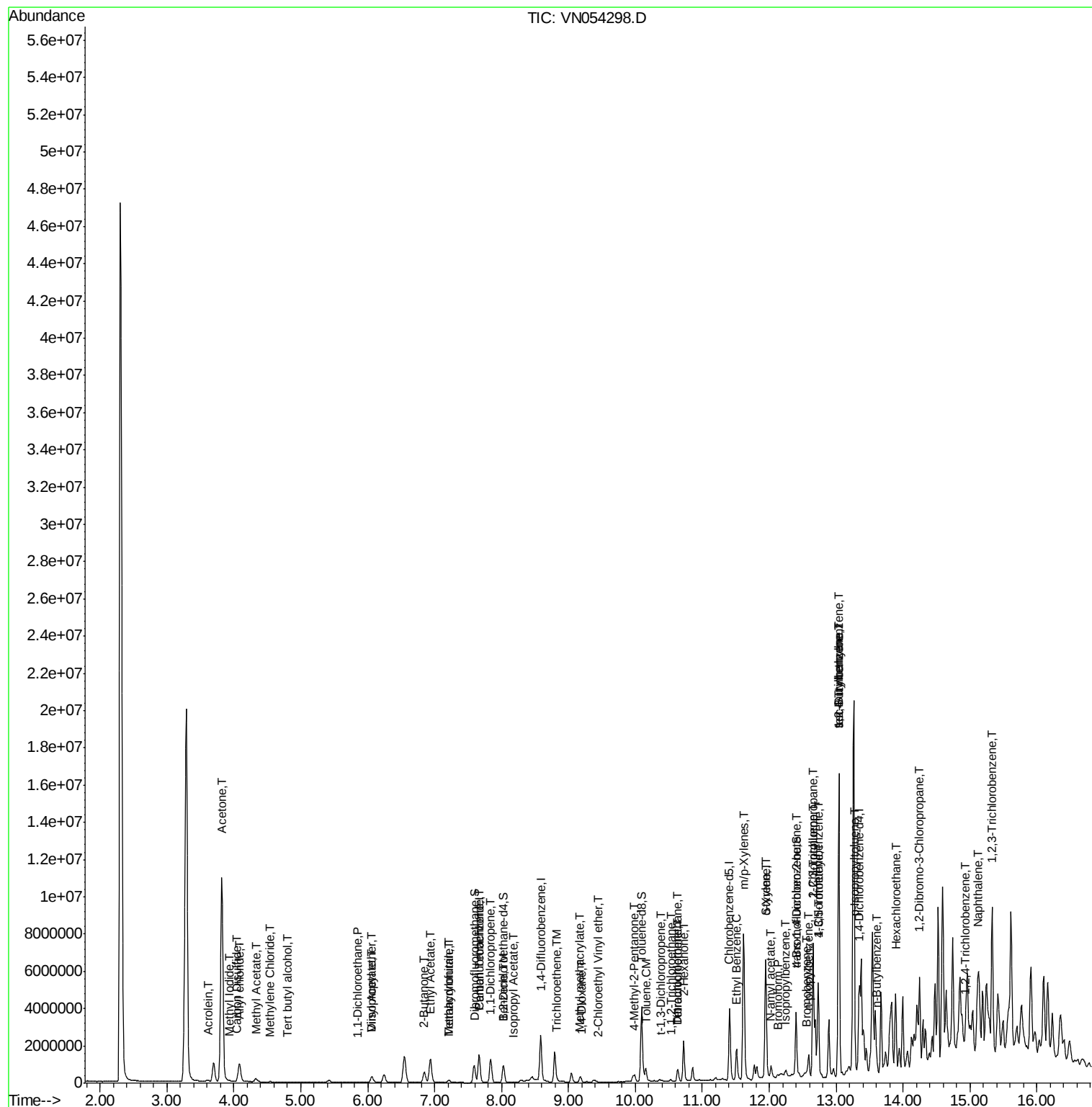
70) Styrene	11.95	104	90139	1.570	ug/l #	1
71) Bromoform	12.13	173	545	2.383	ug/l #	28
73) Isopropylbenzene	12.25	105	212118	2.035	ug/l	99
74) N-amyl acetate	12.03	43	366274	15.828	ug/l #	45
76) 1,2,3-Trichloropropane	12.65	75	32812	1.712	ug/l #	100
77) Bromobenzene	12.55	156	288810	10.469	ug/l #	1
78) n-propylbenzene	12.59	91	932295	8.241	ug/l	99
79) 2-Chlorotoluene	12.65	91	516091	7.587	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	2291534	26.424	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	577258	102.977	ug/l #	11
82) 4-Chlorotoluene	12.73	91	230350	3.392	ug/l #	39
83) tert-Butylbenzene	13.04	119	1265228	15.851	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	9981069	117.319	ug/l	100
85) sec-Butylbenzene	13.04	105	9981069	96.420	ug/l #	55
86) p-Isopropyltoluene	13.29	119	163743	1.803	ug/l	99
89) n-Butylbenzene	13.61	91	297757	4.315	ug/l #	68
90) Hexachloroethane	13.89	117	185077	12.308	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	16581	4.824	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1526	2.569	ug/l #	1
95) Naphthalene	15.13	128	2989979	52.153	ug/l	98
96) 1,2,3-Trichlorobenzene	15.34	180	22036	0.913	ug/l #	1

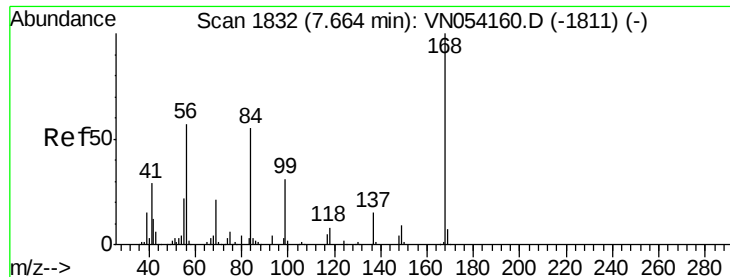
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

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Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

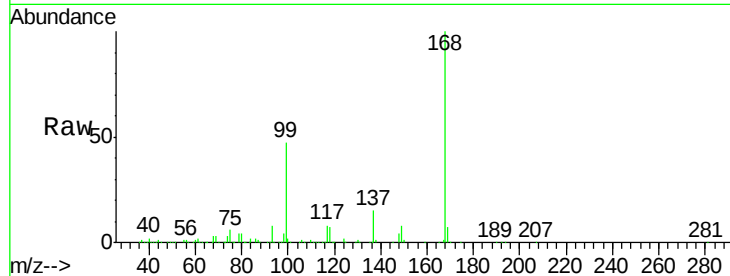
30298

Tot Ion:168 Resp: 1482087

Ion Ratio Lower Upper

168 100

99 46.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

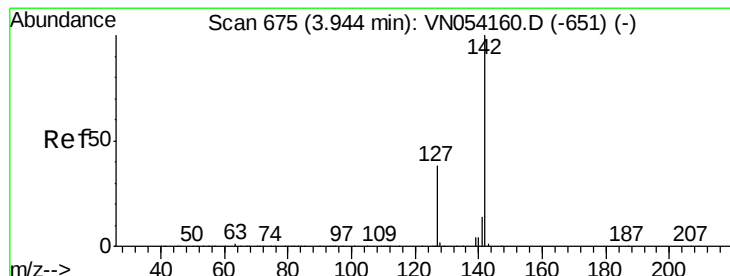
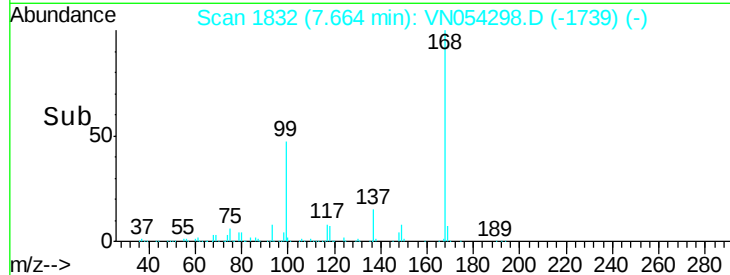
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.517 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

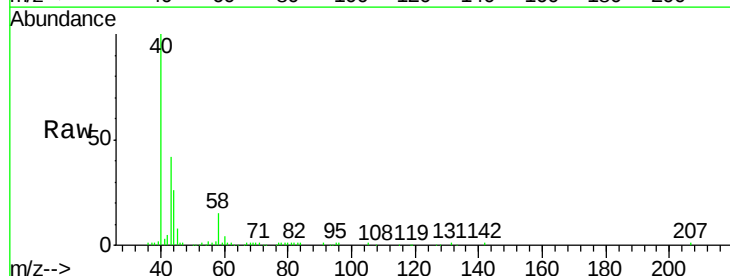
Tgt Ion:142 Resp: 453

Ion Ratio Lower Upper

142 100

127 40.0 30.3 45.5

141 25.4 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

3.94

600

500

400

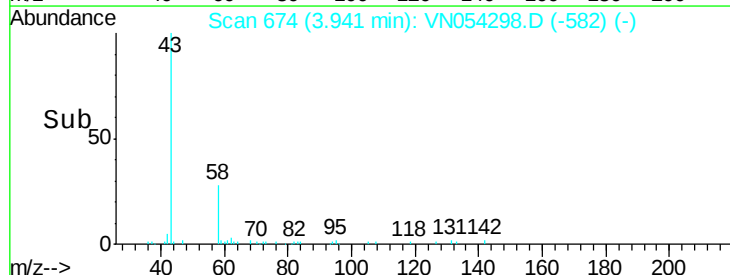
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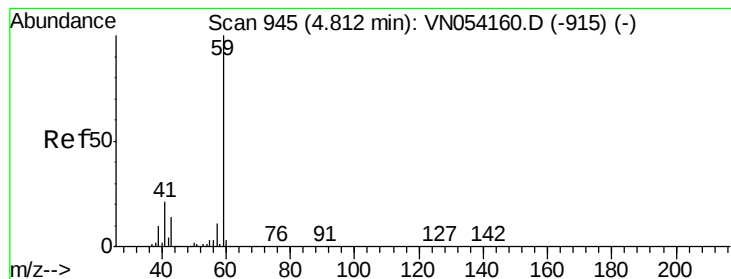
200

100

0

Time-->



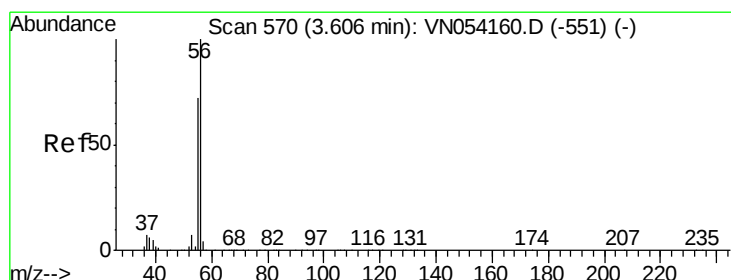
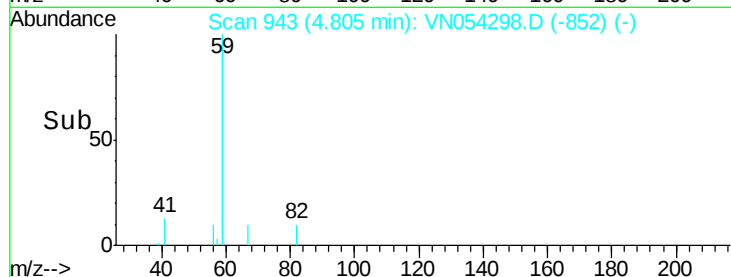
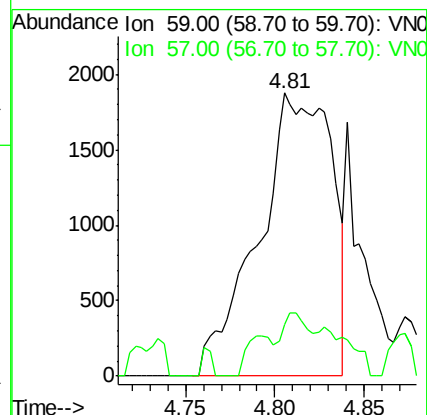
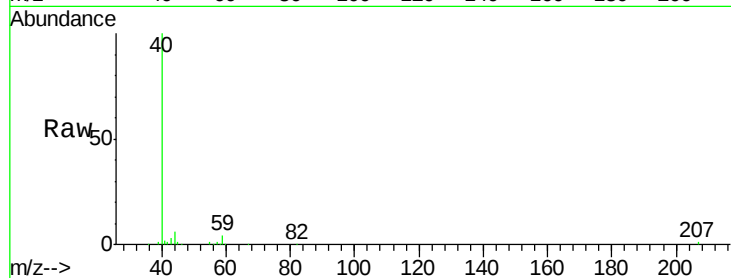


#11

Tert butyl alcohol
 Concen: 4.981 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: VN054298.D
 Acq: 15 Mar 2019 8:40

Instrument :
 MSVOA_N
 ClientSampled :
 30298

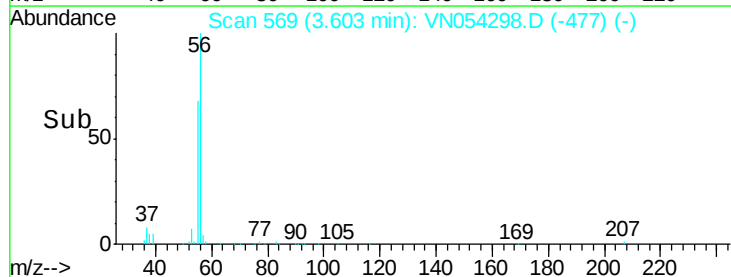
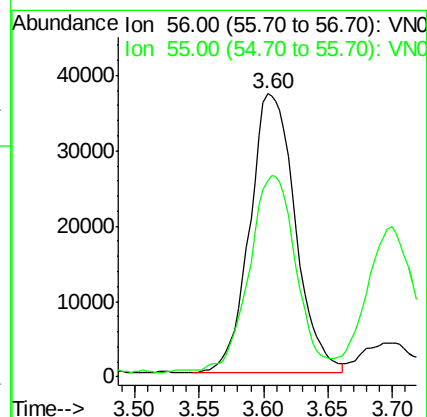
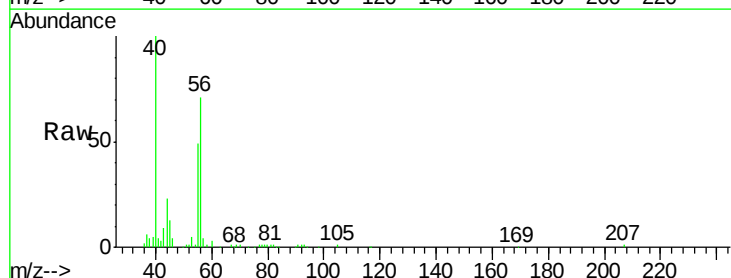
Tot Ion: 59 Resp: 5375
 Ion Ratio Lower Upper
 59 100
 57 3.2 9.0 13.6#

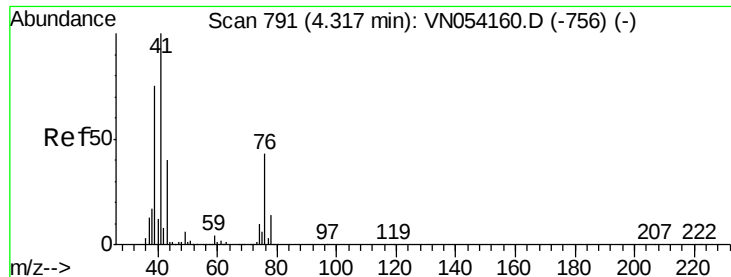


#13

Acrolein
 Concen: 89.431 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: VN054298.D
 Acq: 15 Mar 2019 8:40

Tgt Ion: 56 Resp: 91441
 Ion Ratio Lower Upper
 56 100
 55 70.0 56.7 85.1





#14

Allvl chloride

Concen: 6.852 ug/l

RT: 4.08 min Scan# 718

Delta R.T. -0.23 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

30298

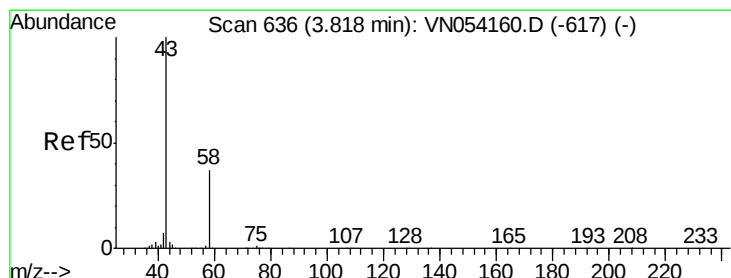
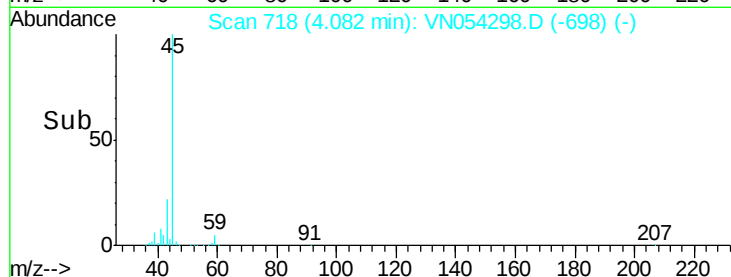
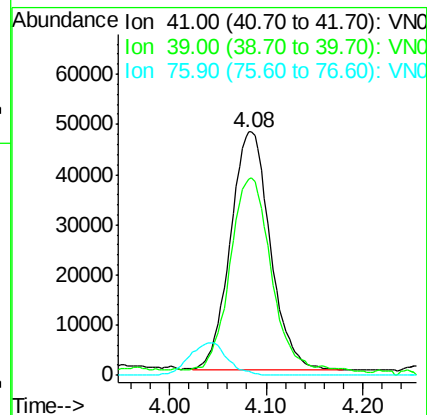
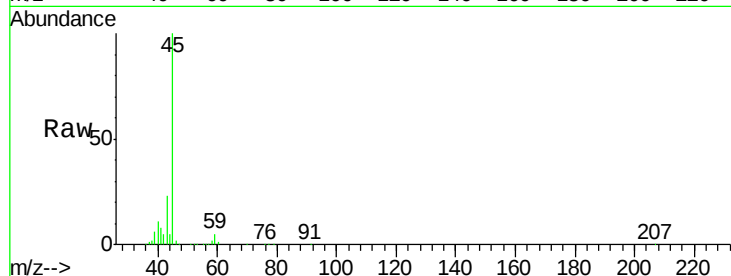
Tot Ion: 41 Resp: 135368

Ion Ratio Lower Upper

41 100

39 79.9 58.2 87.4

76 0.0 31.7 47.5#



#16

Acetone

Concen: 3888.471 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054298.D

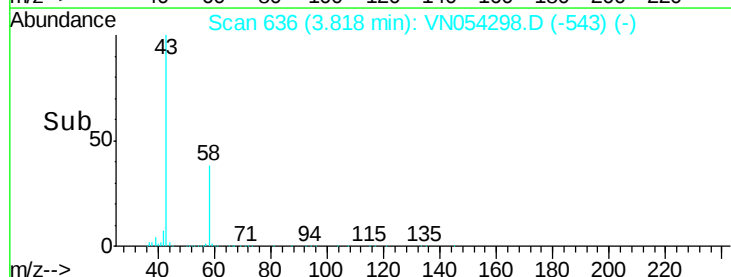
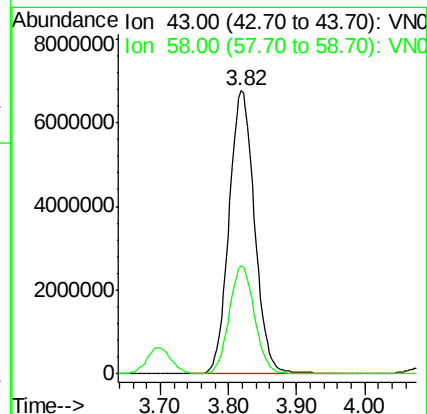
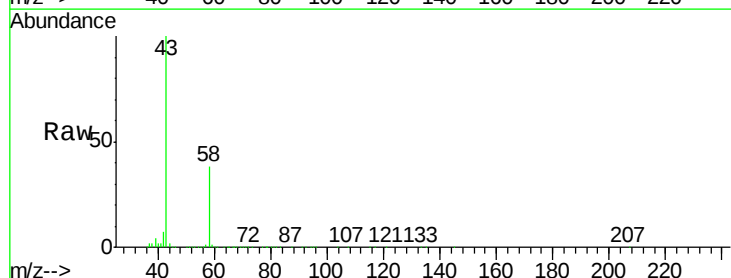
Acq: 15 Mar 2019 8:40

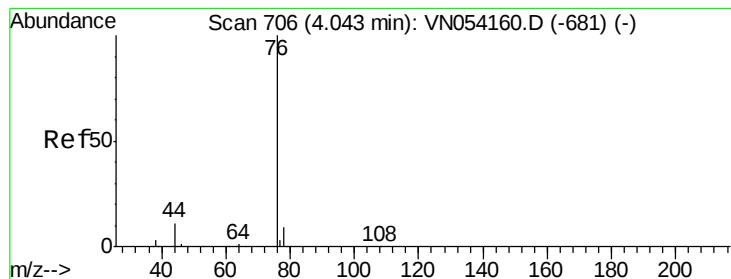
Tgt Ion: 43 Resp:17524045

Ion Ratio Lower Upper

43 100

58 38.3 29.9 44.9





#17

Carbon Disulfide

Concen: 0.462 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

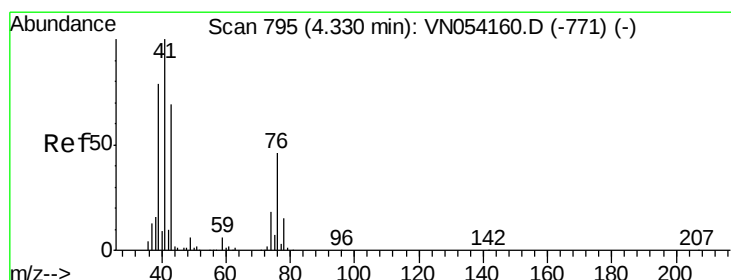
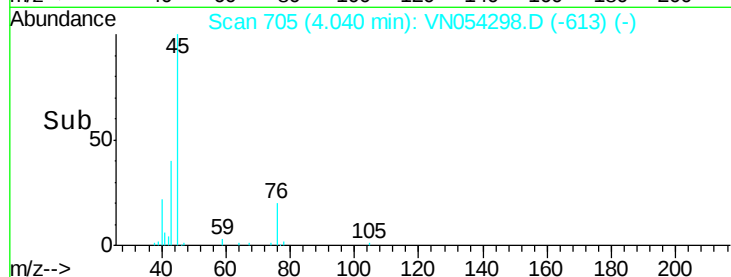
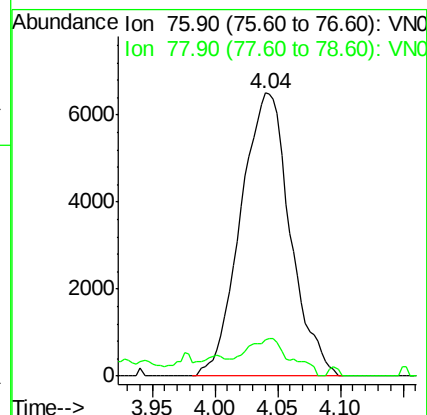
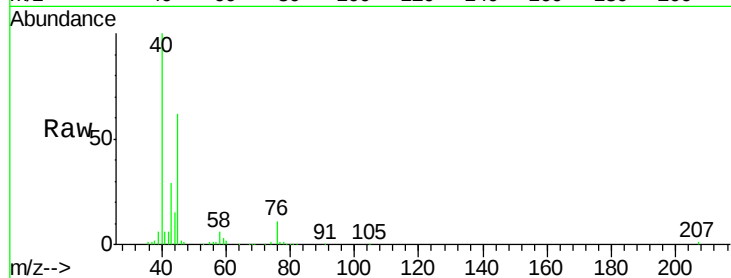
30298

Tot Ion: 76 Resp: 17842

Ion Ratio Lower Upper

76 100

78 12.7 7.5 11.3#



#18

Methyl Acetate

Concen: 36.244 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054298.D

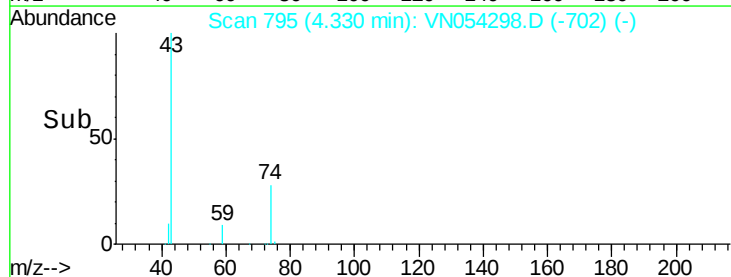
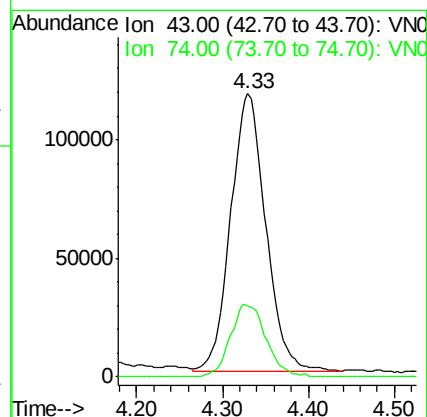
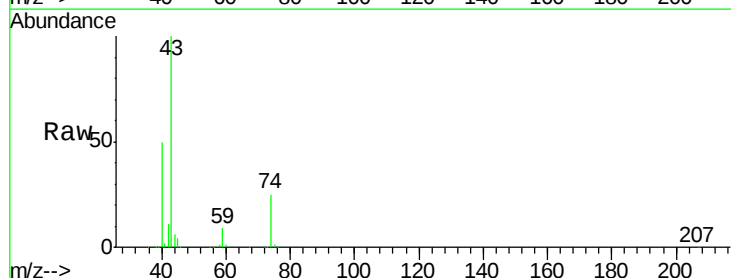
Acq: 15 Mar 2019 8:40

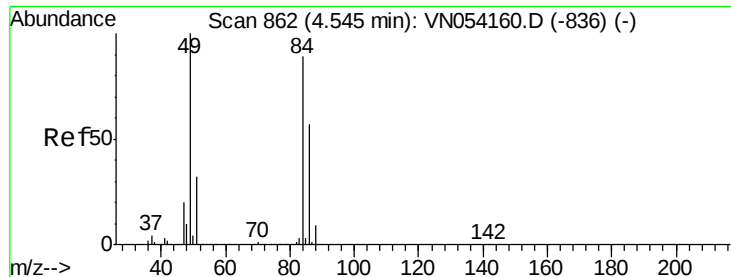
Tgt Ion: 43 Resp: 330463

Ion Ratio Lower Upper

43 100

74 26.5 20.8 31.2





#20

Methvlene Chloride

Concen: 0.687 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

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Tot Ion: 84 Resp: 10167

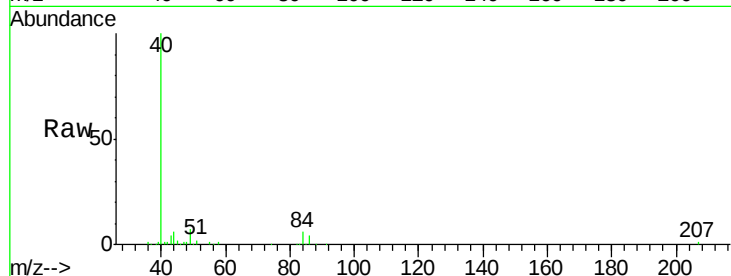
Ion Ratio Lower Upper

84 100

49 117.9 89.7 134.5

51 36.5 28.2 42.4

86 66.4 50.8 76.2

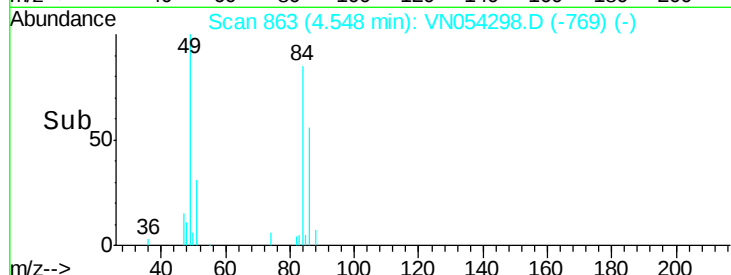
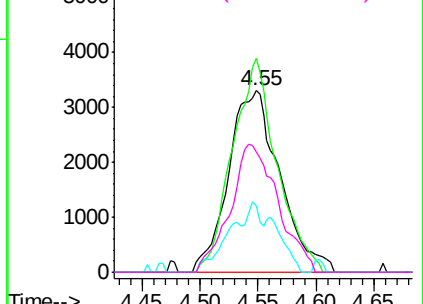


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#22

Diisopropyl ether

Concen: 0.577 ug/l

RT: 6.06 min Scan# 1332

Delta R.T. 0.10 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Tgt Ion: 45 Resp: 22757

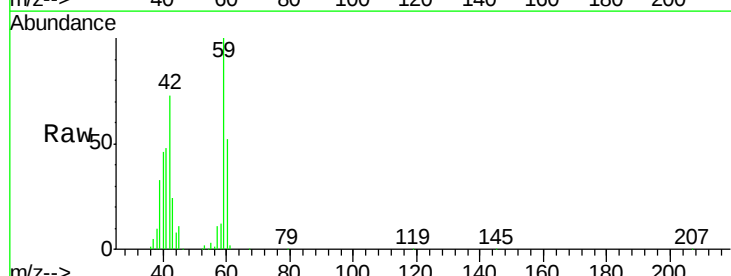
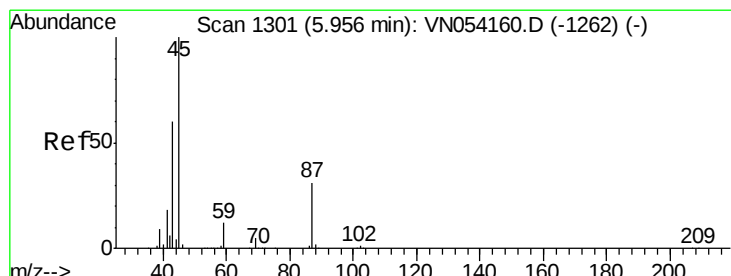
Ion Ratio Lower Upper

45 100

43 221.4 48.2 72.2#

87 0.0 24.9 37.3#

59 955.4 9.5 14.3#

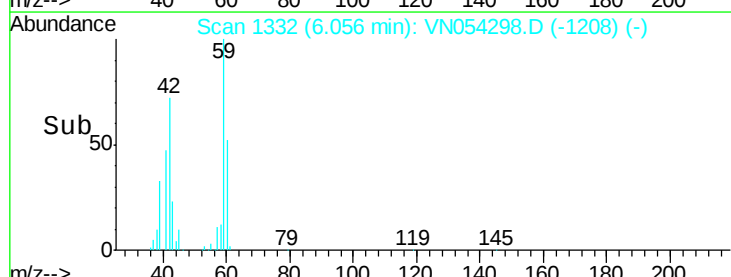
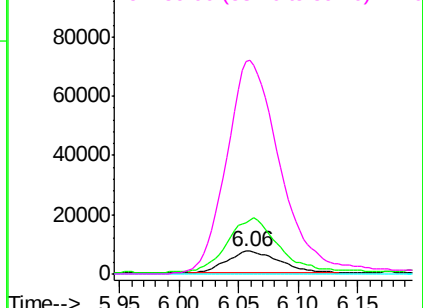


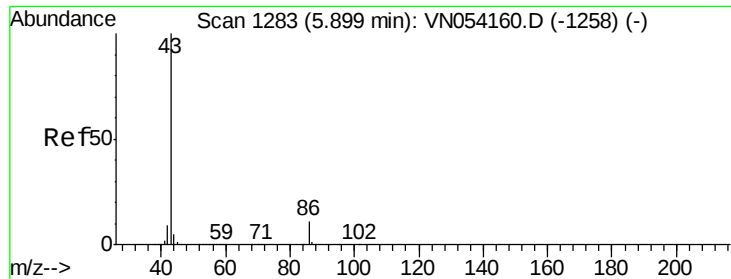
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 1.983 ug/l

RT: 6.06 min Scan# 1334

Delta R.T. 0.16 min

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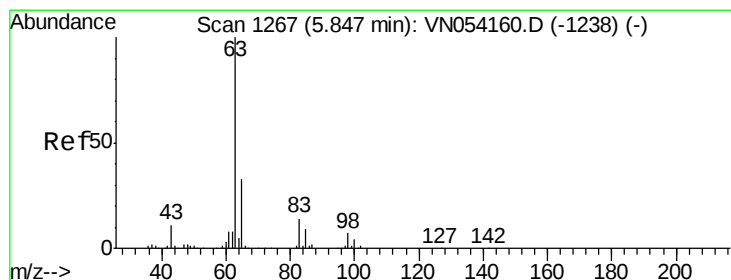
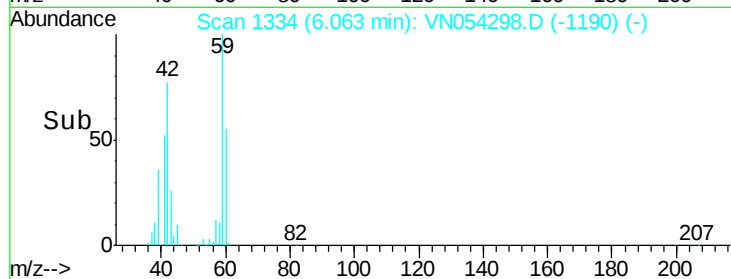
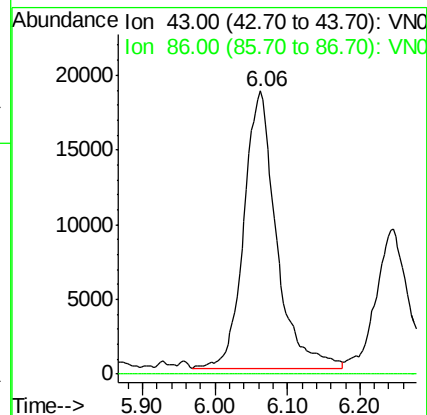
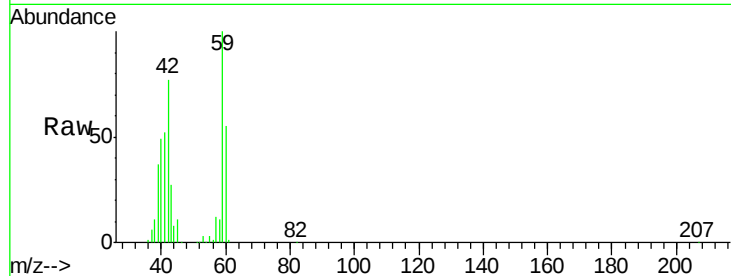
30298

Tot Ion: 43 Resp: 57642

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 0.273 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

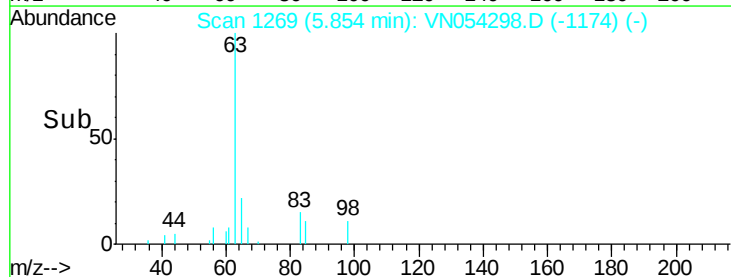
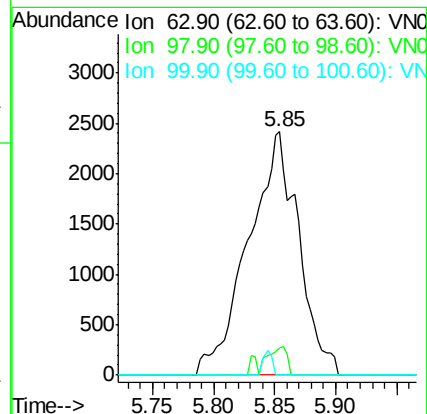
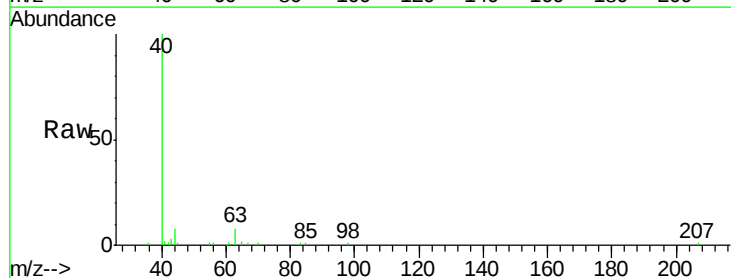
Tgt Ion: 63 Resp: 6905

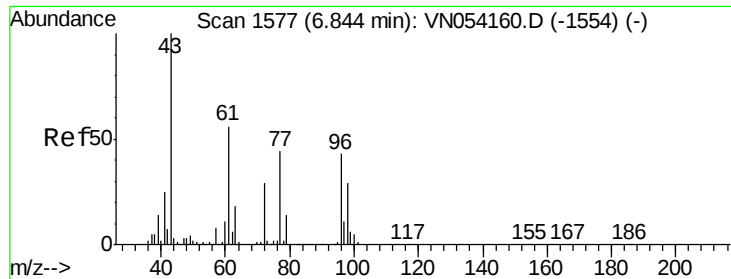
Ion Ratio Lower Upper

63 100

98 11.4 3.5 10.5#

100 0.0 2.0 6.0#

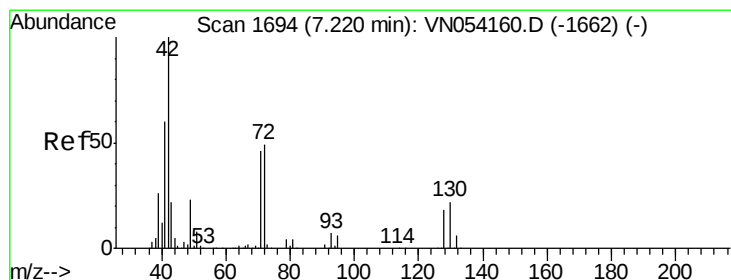
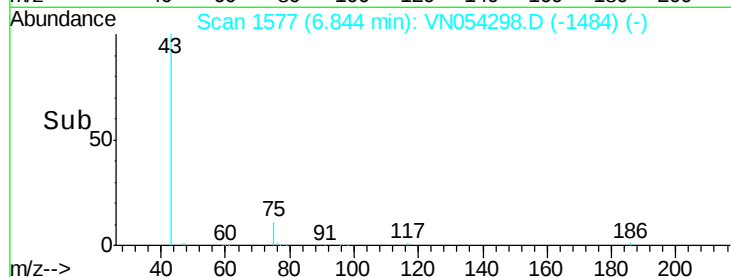
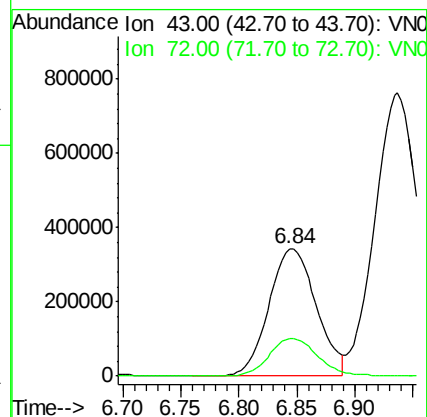
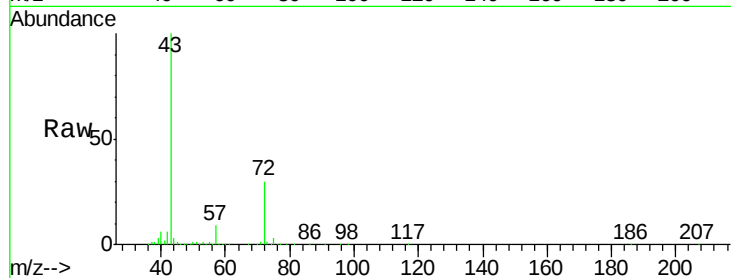




#25
2-Butanone
Concen: 183.159 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

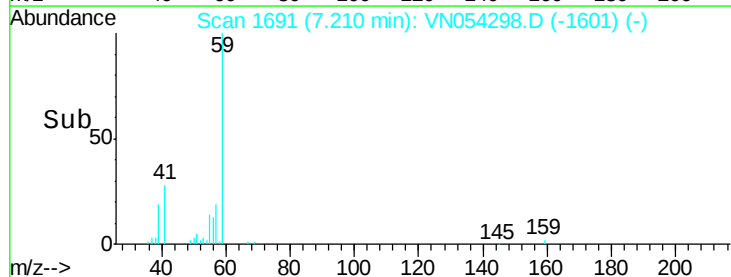
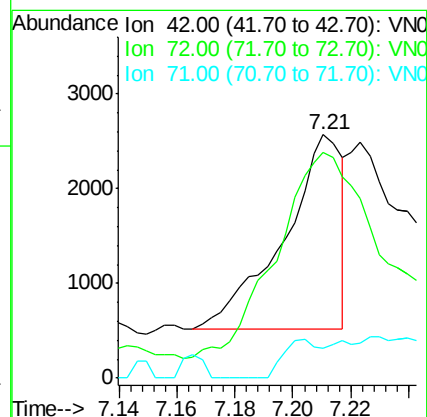
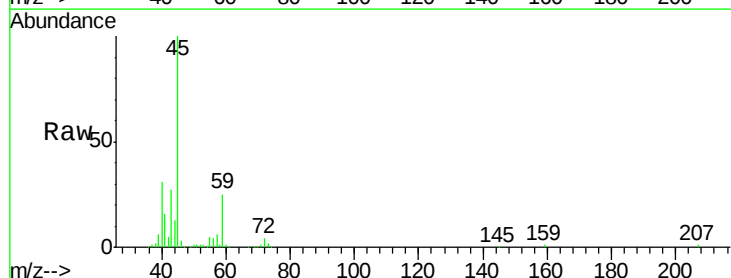
Instrument :
MSVOA_N
ClientSampled :
30298

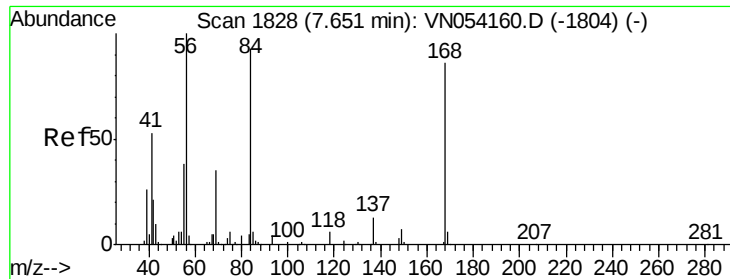
Tot Ion: 43 Resp: 968811
Ion Ratio Lower Upper
43 100
72 29.5 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.850 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Tgt Ion: 42 Resp: 2890
Ion Ratio Lower Upper
42 100
72 212.7 37.8 56.6#
71 12.7 36.2 54.2#

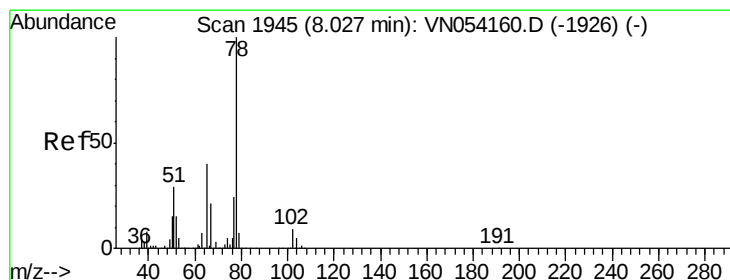
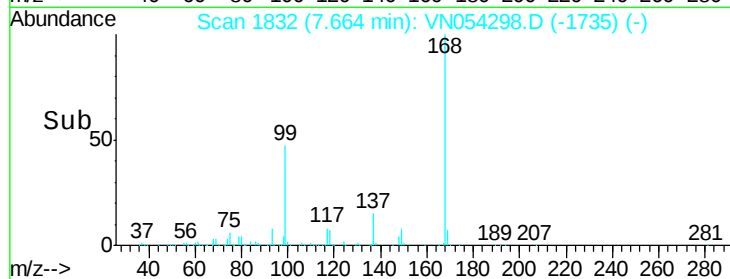
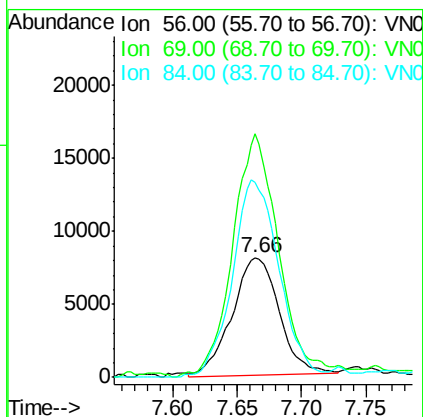
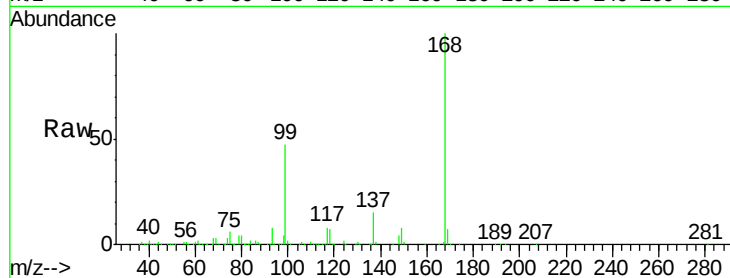




#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

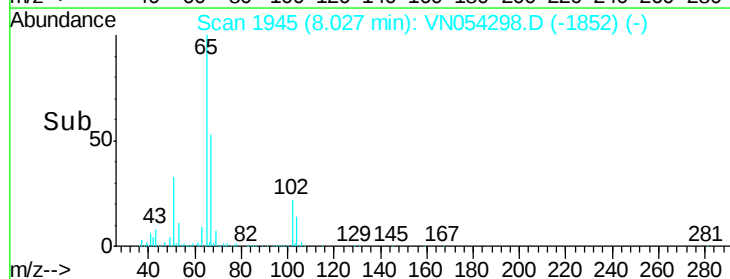
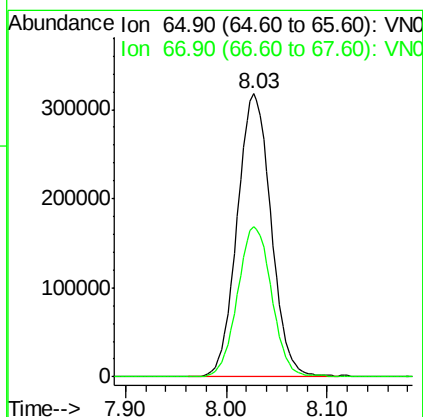
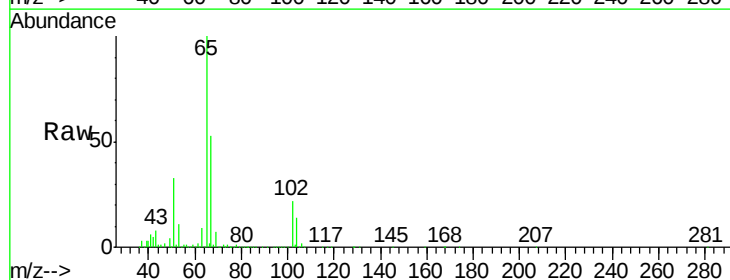
Instrument :
MSVOA_N
ClientSampled :
30298

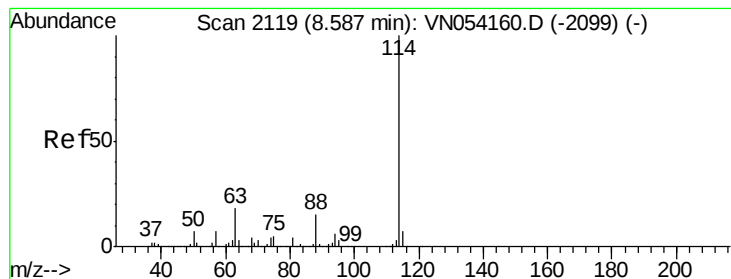
Tot Ion: 56 Resp: 20625
Ion Ratio Lower Upper
56 100
69 206.0 27.8 41.6#
84 166.0 74.6 111.8#



#33
1,2-Dichloroethane-d4
Concen: 46.988 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Tgt Ion: 65 Resp: 739587
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

30298

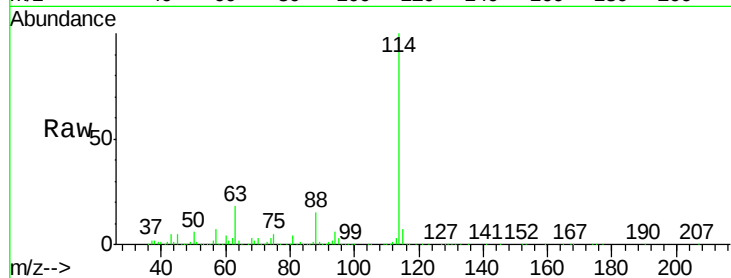
Tot Ion:114 Resp: 2433446

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.2

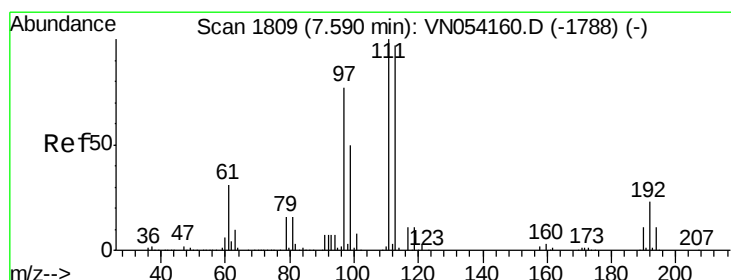
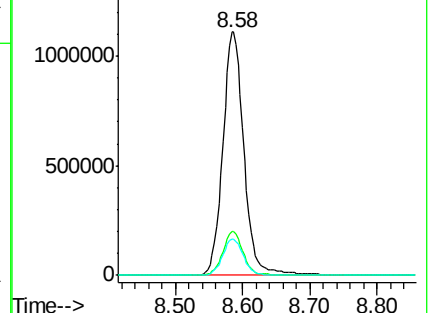
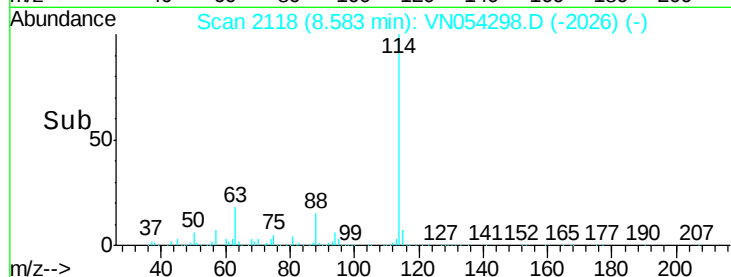
88 15.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.525 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

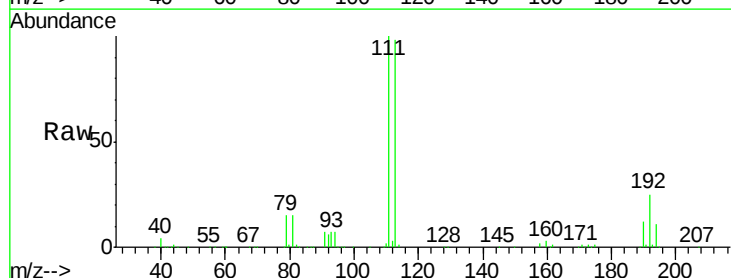
Tgt Ion:113 Resp: 730199

Ion Ratio Lower Upper

113 100

111 101.3 82.2 123.4

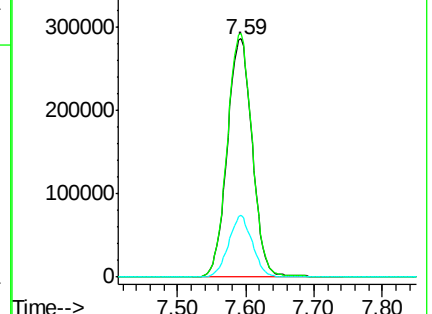
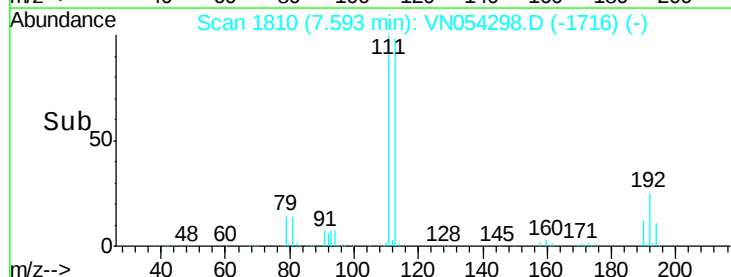
192 24.5 19.2 28.8

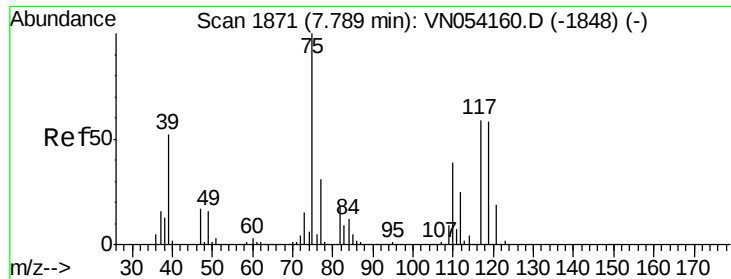


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 0.297 ug/l

RT: 7.84 min Scan# 1886

Delta R.T. 0.05 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

30298

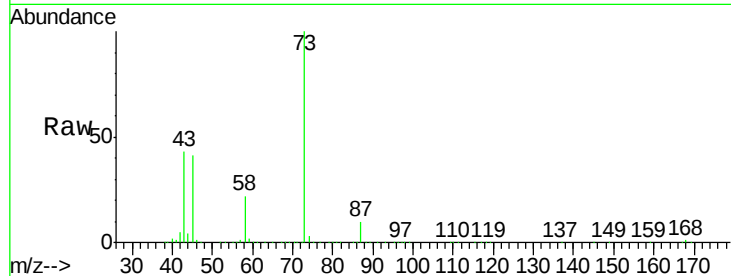
Tot Ion: 75 Resp: 6659

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.5#

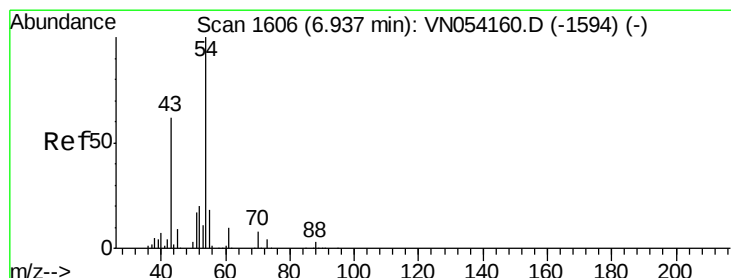
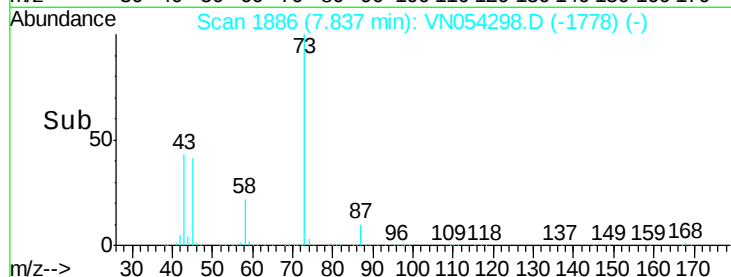
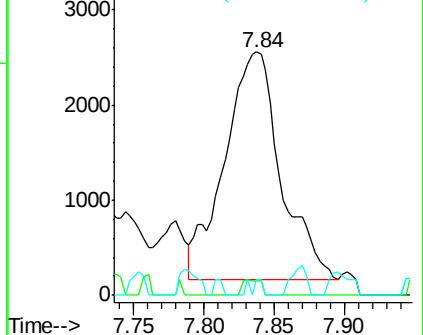
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 109.90 (109.60 to 110.60): VNC

Ion 76.90 (76.60 to 77.60): VNC



#37

Ethyl Acetate

Concen: 162.140 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

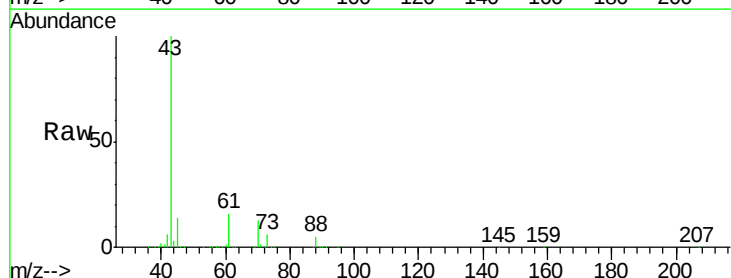
Tgt Ion: 43 Resp: 2087798

Ion Ratio Lower Upper

43 100

61 16.0 11.8 17.6

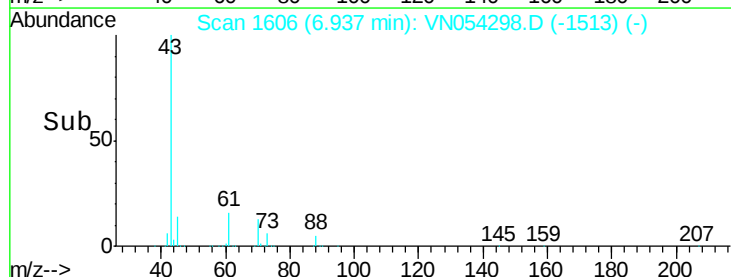
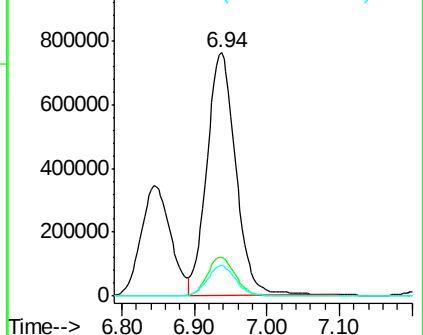
70 12.3 8.4 12.6

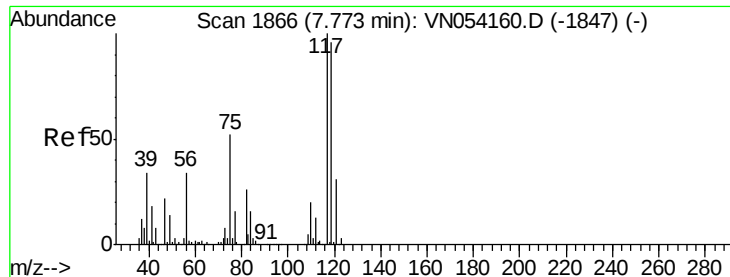


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 70.00 (69.70 to 70.70): VNC





#38

Carbon Tetrachloride

Concen: 4.982 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

30298

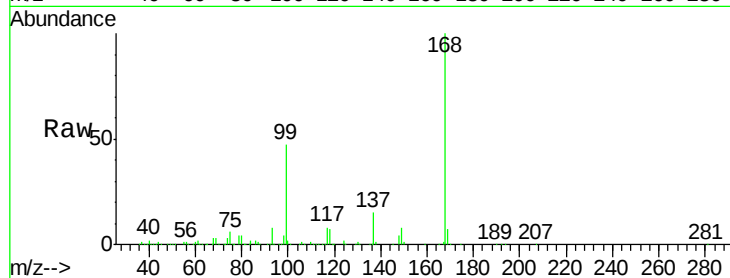
Tot Ion:117 Resp: 117084

Ion Ratio Lower Upper

117 100

119 5.5 76.3 114.5#

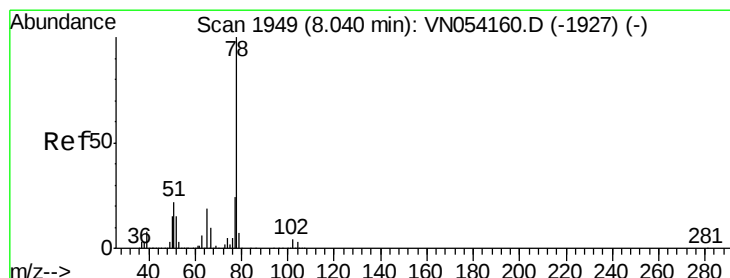
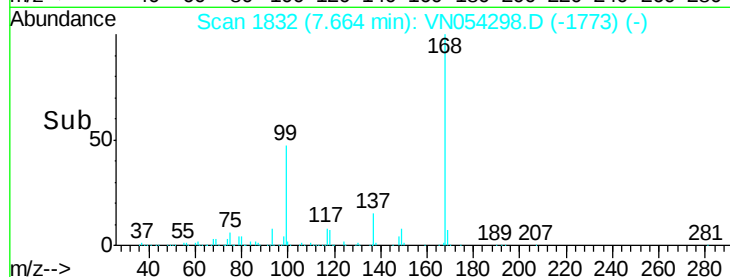
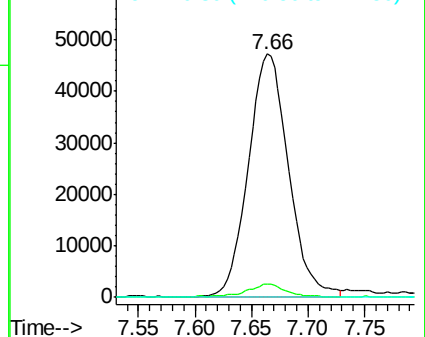
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.240 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054298.D

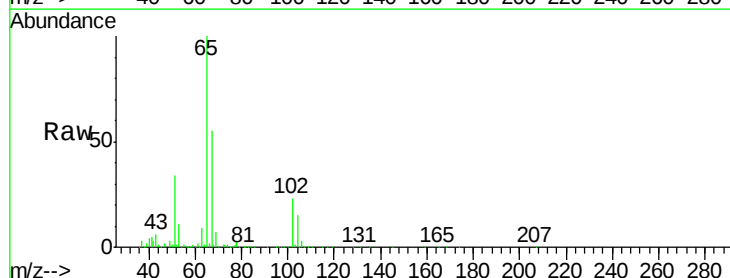
Acq: 15 Mar 2019 8:40

Tgt Ion: 78 Resp: 15399

Ion Ratio Lower Upper

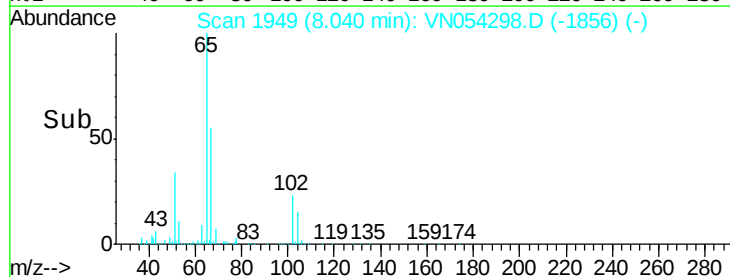
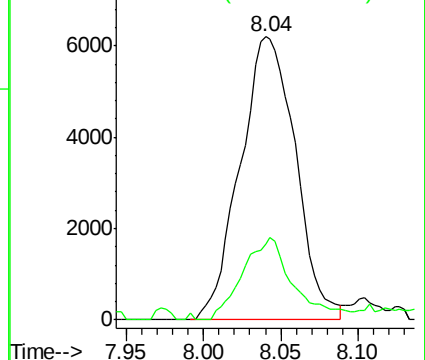
78 100

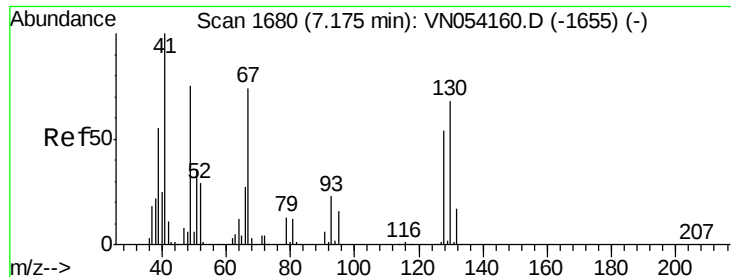
77 24.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

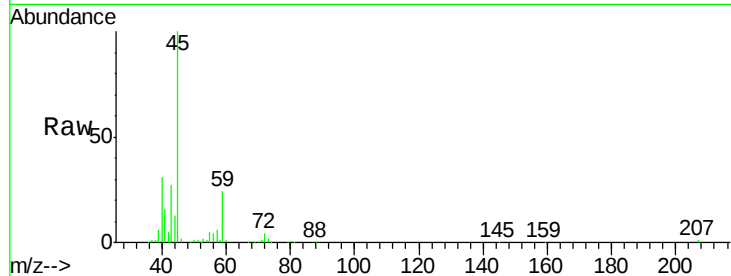




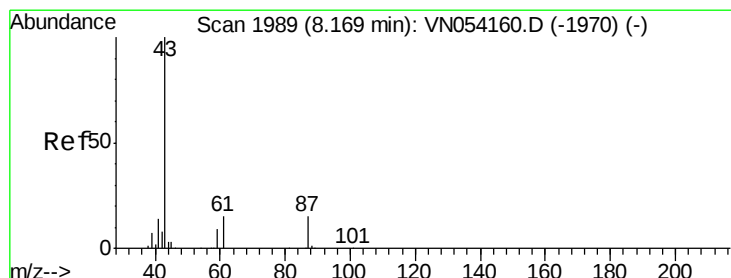
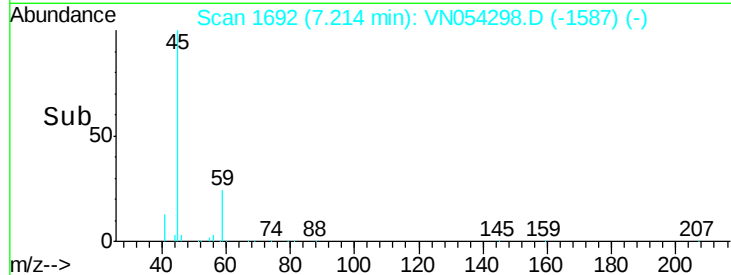
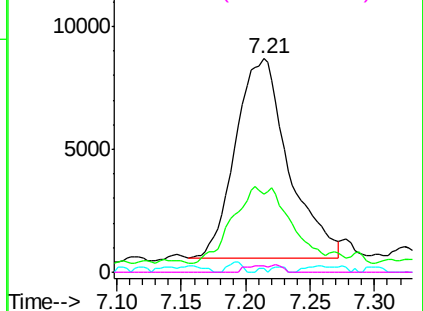
#41
Methacrylonitrile
Concen: 3.145 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Instrument :
MSVOA_N
ClientSampled :
30298

Tot Ion	Ratio	Lower	Upper
41	100		
39	22.6	46.8	70.2#
67	0.3	67.0	100.4#
52	1.3	26.5	39.7#

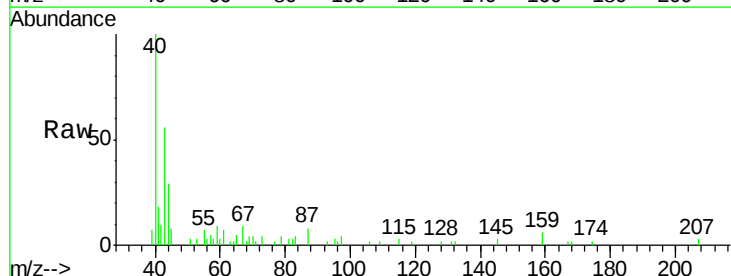


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

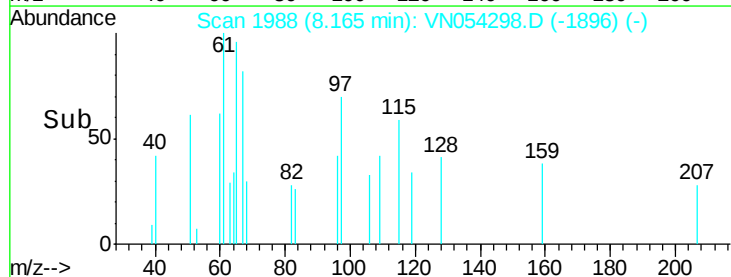
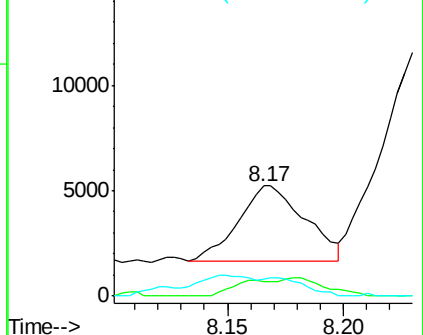


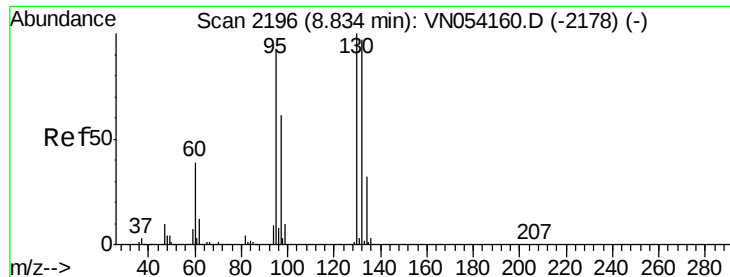
#43
Isopropyl Acetate
Concen: 0.311 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.3	15.8	23.8#
87	12.9	12.0	18.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#44

Trichloroethene

Concen: 0.333 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

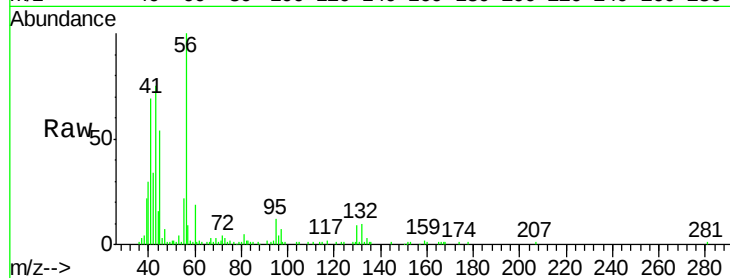
30298

Tot Ion:130 Resp: 6632

Ion Ratio Lower Upper

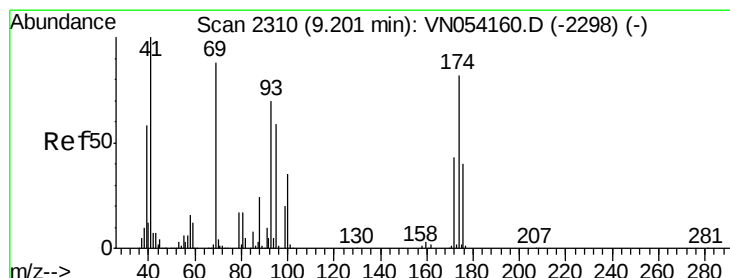
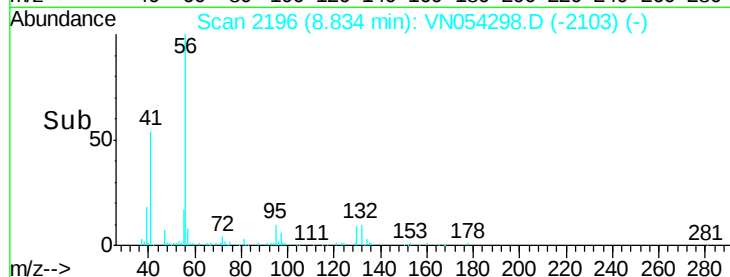
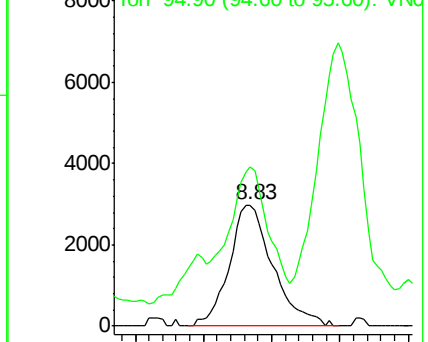
130 100

95 83.9 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#48

Methyl methacrylate

Concen: 4.594 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.03 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

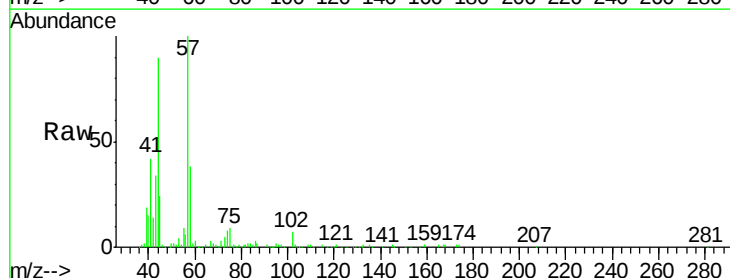
Tgt Ion: 41 Resp: 52688

Ion Ratio Lower Upper

41 100

69 0.5 72.6 108.8#

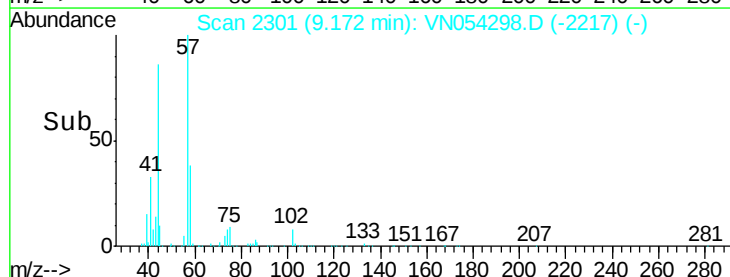
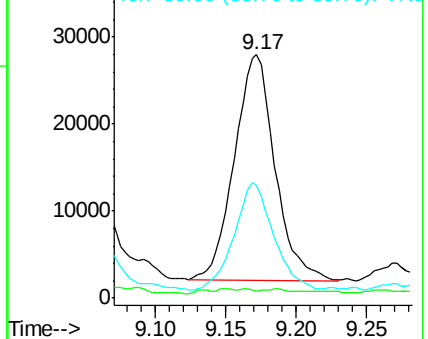
39 45.0 47.5 71.3#

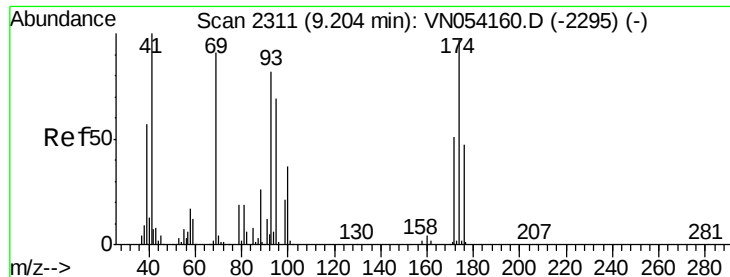


Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 39.00 (38.70 to 39.70): VN





#49

1,4-Dioxane

Concen: 16.821 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

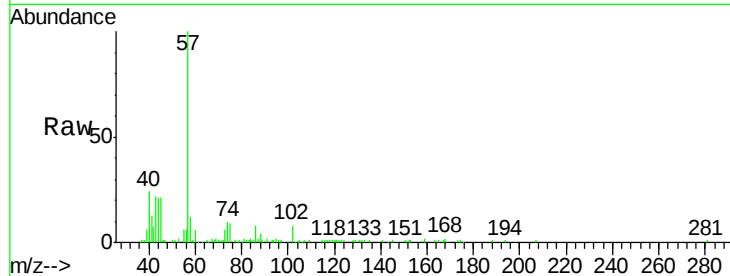
Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :
MSVOA_N
ClientSampled :
30298

Tot Ion: 88 Resp: 2729

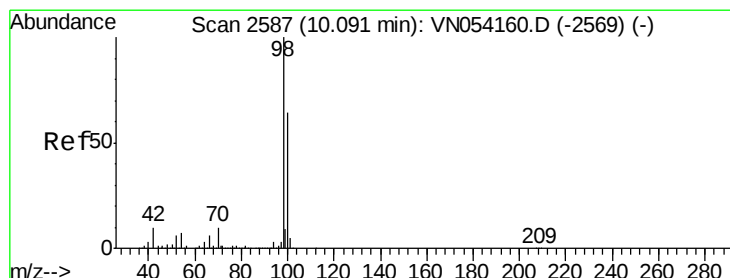
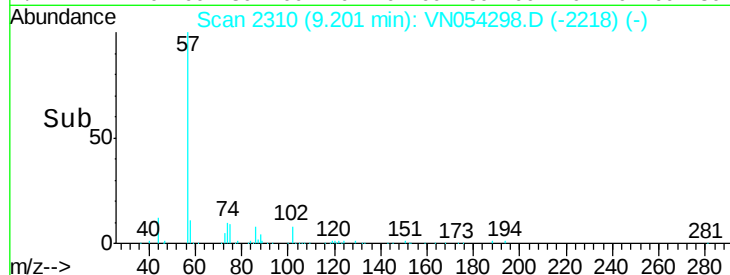
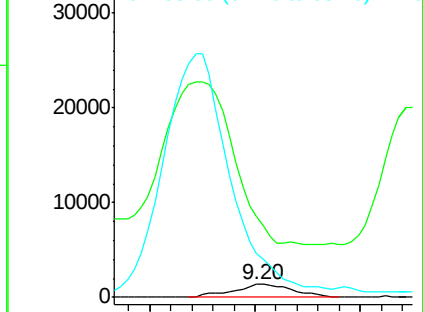
Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.1	36.1#
58	0.0	50.8	76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054298.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN054298.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN054298.D (-2218) (-)



#50

Toluene-d8

Concen: 53.536 ug/l

RT: 10.09 min Scan# 2587

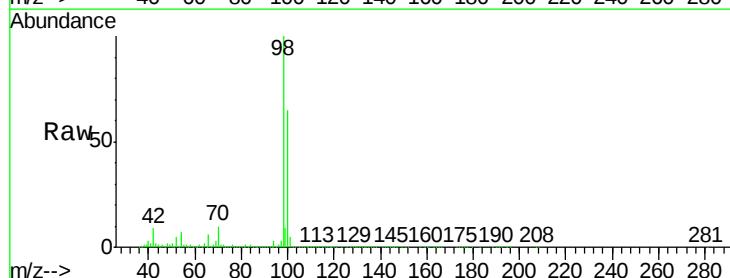
Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

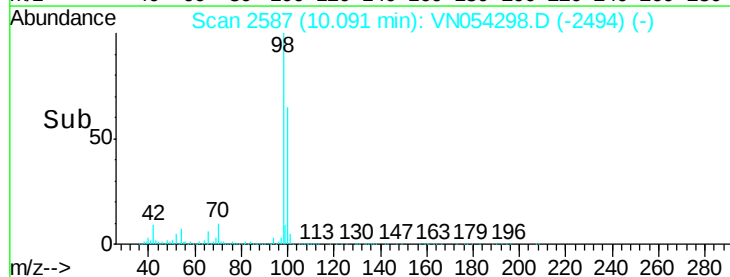
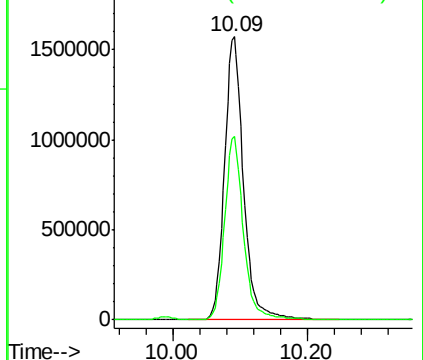
Tgt Ion: 98 Resp: 3103116

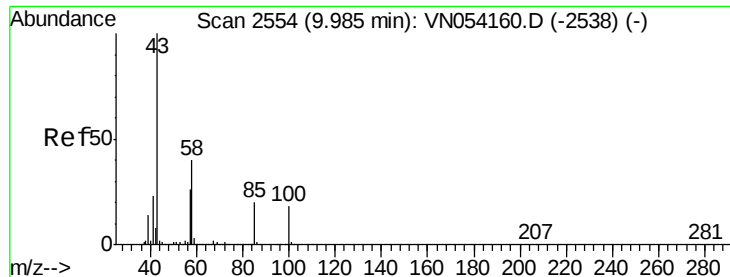
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054298.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN054298.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 27.139 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

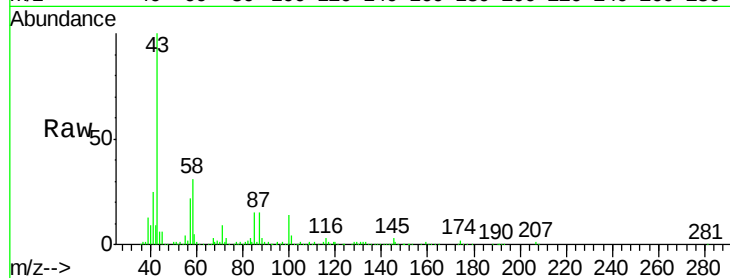
30298

Tot Ion: 43 Resp: 324613

Ion Ratio Lower Upper

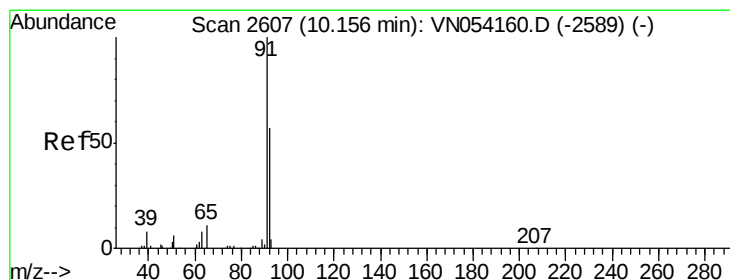
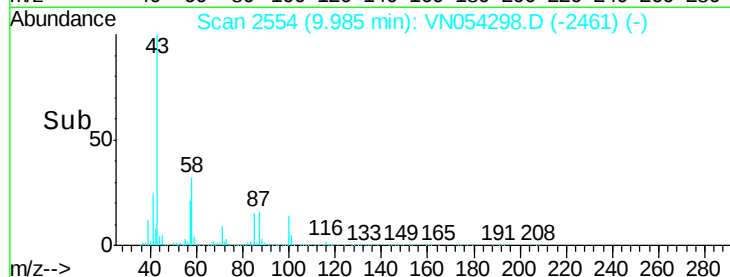
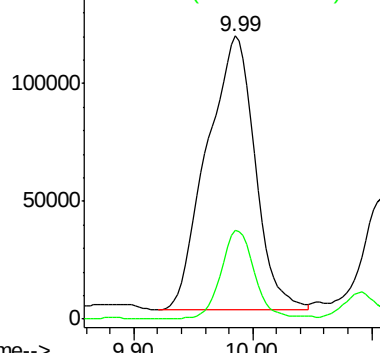
43 100

58 22.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 7.566 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054298.D

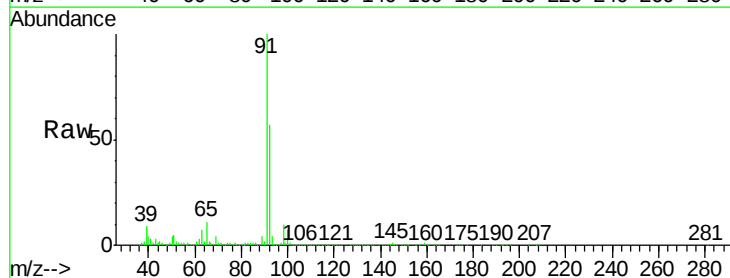
Acq: 15 Mar 2019 8:40

Tgt Ion: 92 Resp: 307630

Ion Ratio Lower Upper

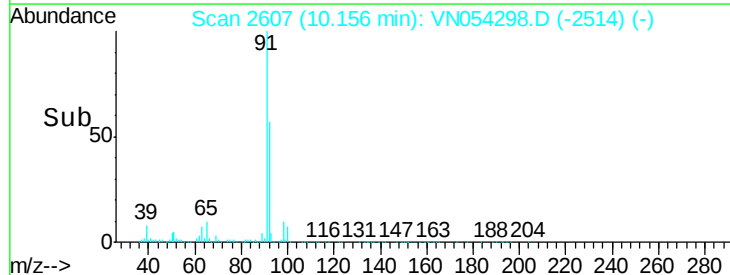
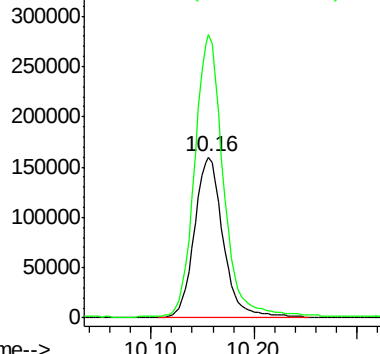
92 100

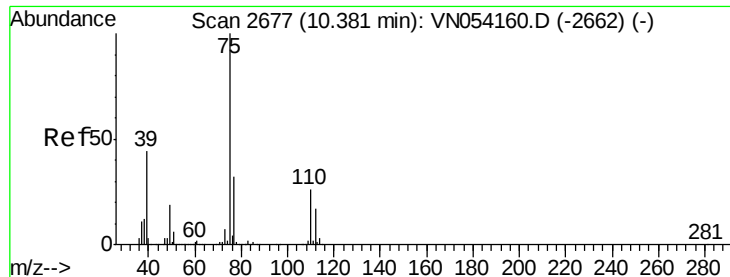
91 175.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.998 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

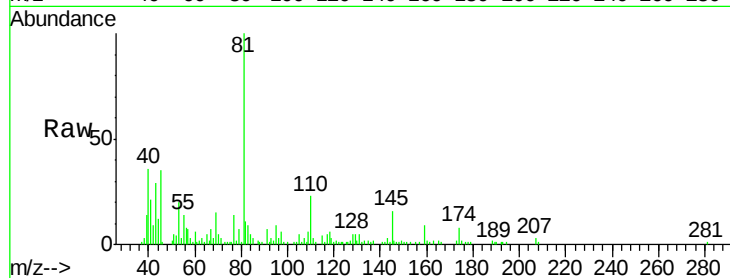
30298

Tot Ion: 75 Resp: 320

Ion Ratio Lower Upper

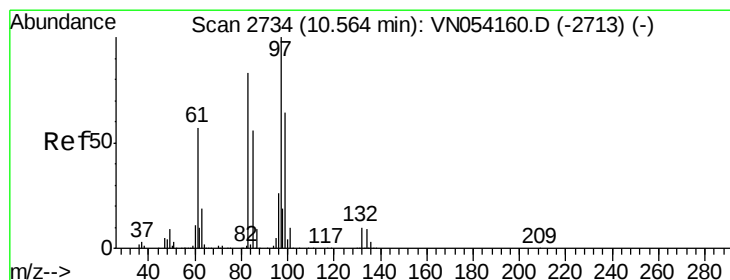
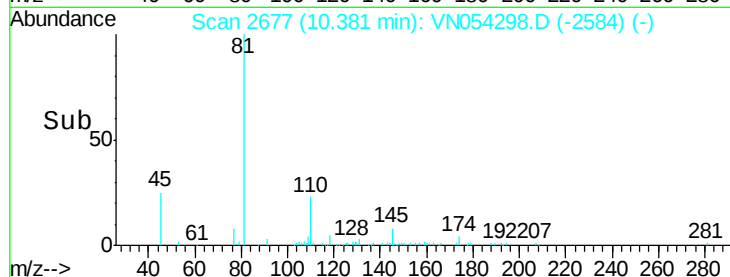
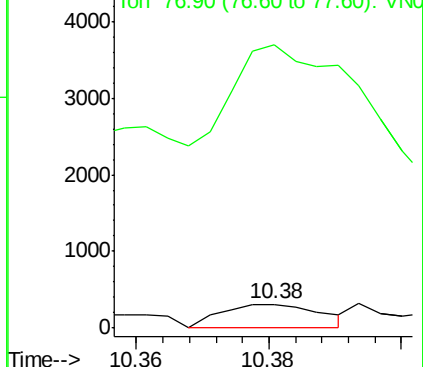
75 100

77 427.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#55

1,1,2-Trichloroethane

Concen: 0.548 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.04 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Tgt Ion: 97 Resp: 8140

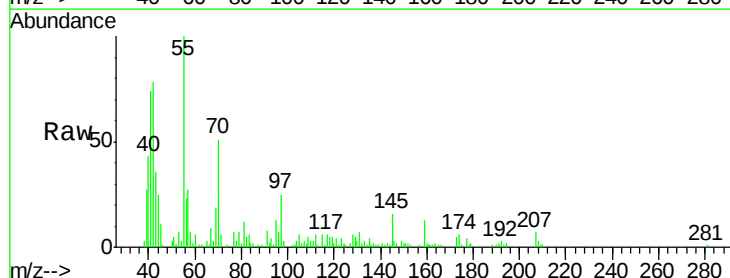
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 2.8 44.4 66.6#

99 0.0 50.8 76.2#

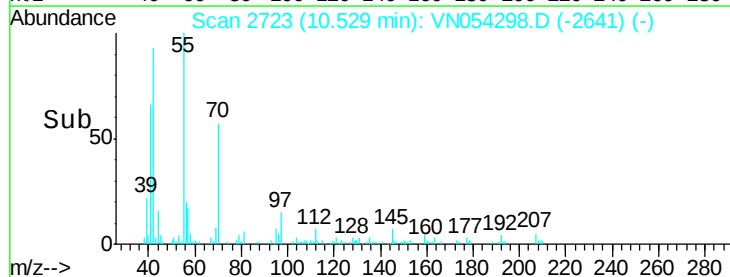
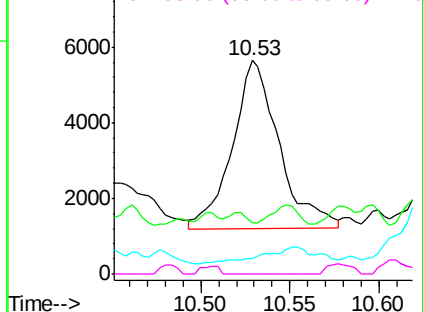


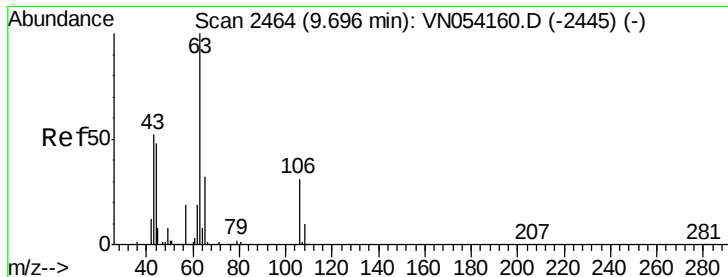
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

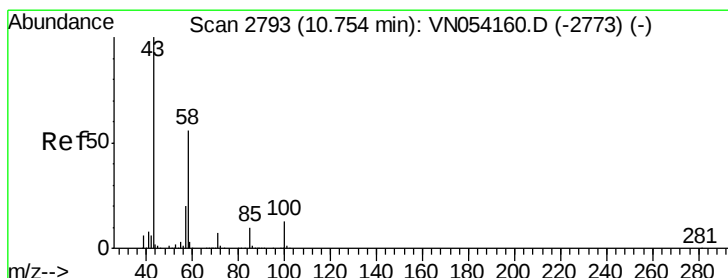
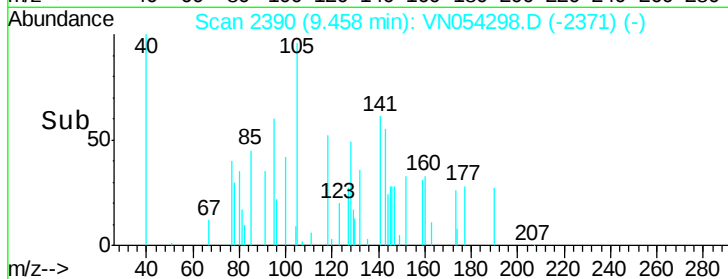
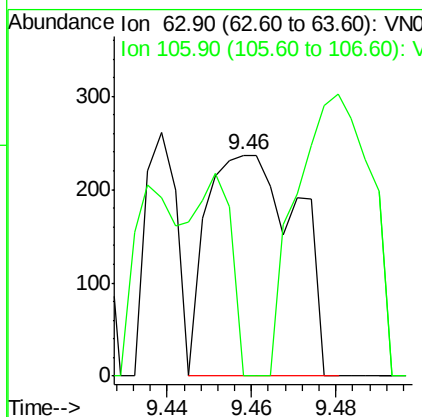
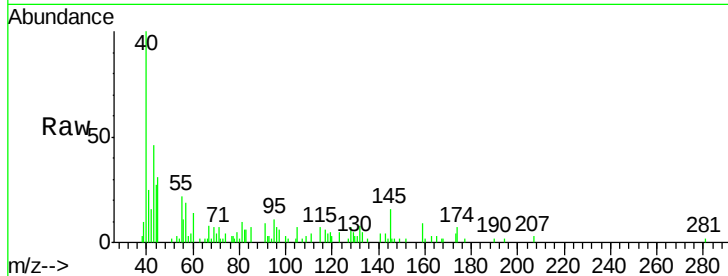




#58
 2-Chloroethyl Vinyl ether
 Concen: 16.871 ug/l
 RT: 9.46 min Scan# 2390
 Delta R.T. -0.24 min
 Lab File: VN054298.D
 Acq: 15 Mar 2019 8:40

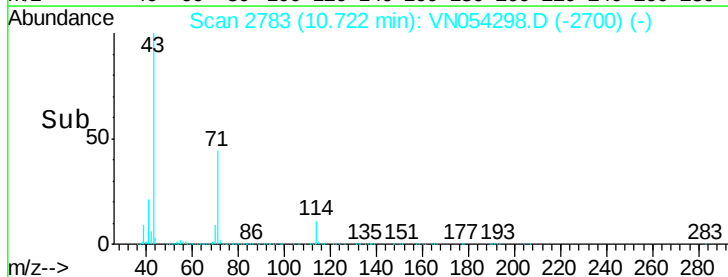
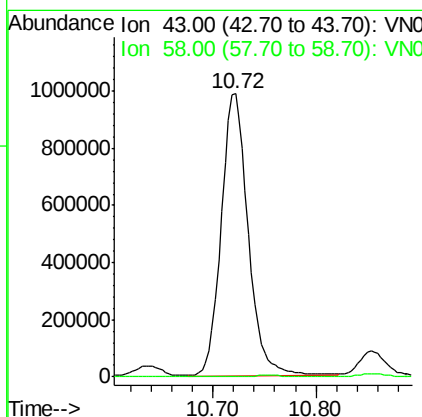
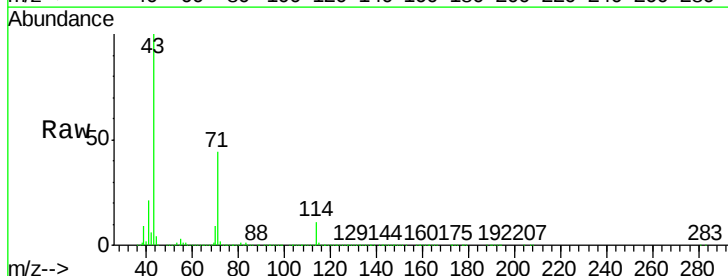
Instrument :
 MSVOA_N
 ClientSampled :
 30298

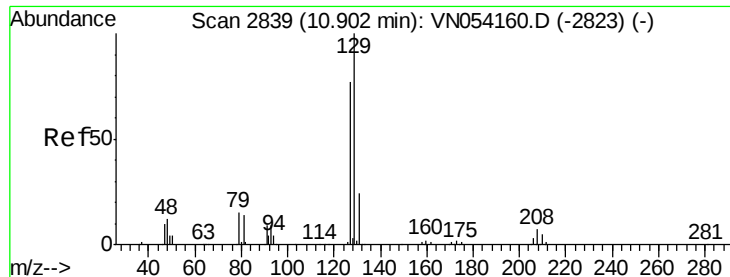
Tot Ion: 63 Resp: 352
 Ion Ratio Lower Upper
 63 100
 106 32.1 24.4 36.6



#59
 2-Hexanone
 Concen: 225.824 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. -0.03 min
 Lab File: VN054298.D
 Acq: 15 Mar 2019 8:40

Tgt Ion: 43 Resp: 1797297
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.0 83.9#





#60

Dibromochloromethane

Concen: 6.722 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

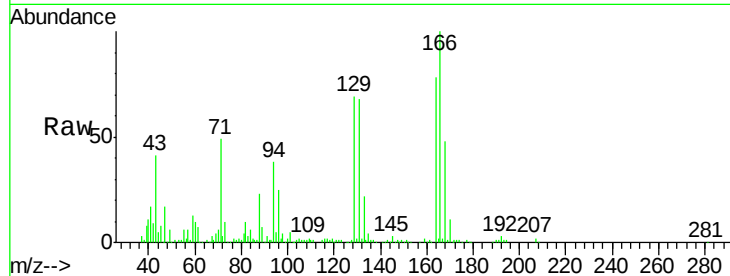
30298

Tot Ion:129 Resp: 112327

Ion Ratio Lower Upper

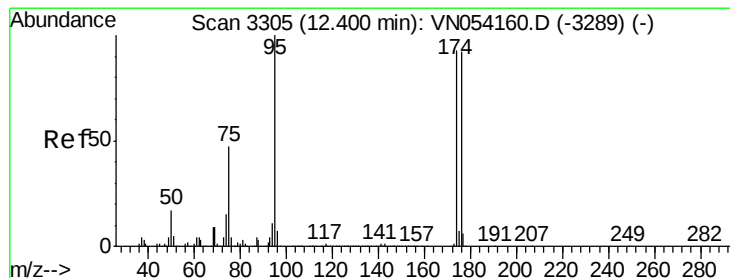
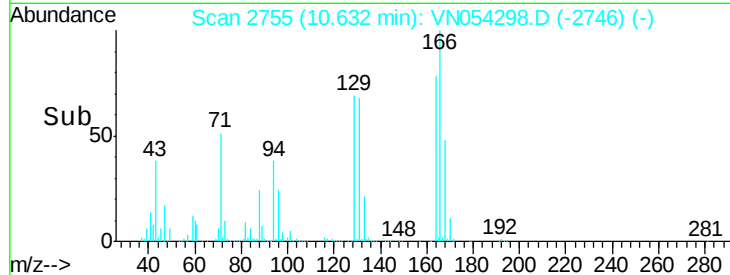
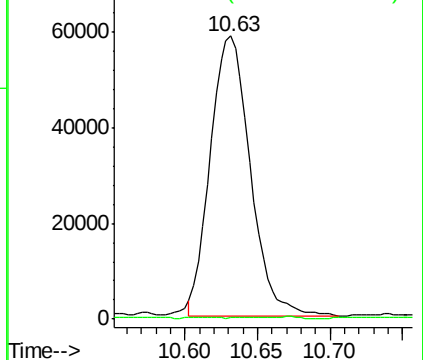
129 100

127 0.2 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 62.149 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

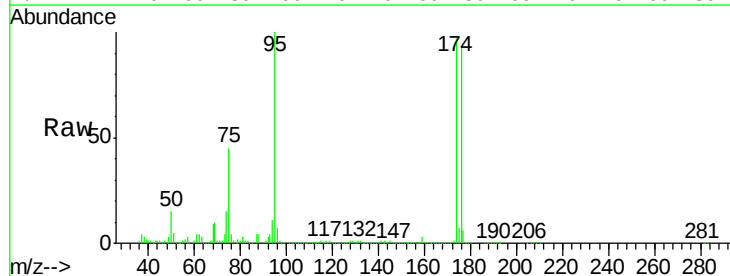
Tgt Ion: 95 Resp: 1260451

Ion Ratio Lower Upper

95 100

174 96.3 0.0 191.0

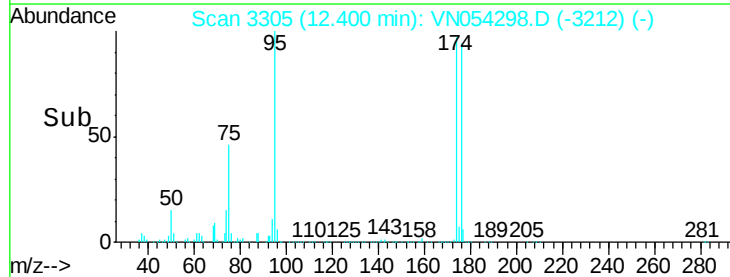
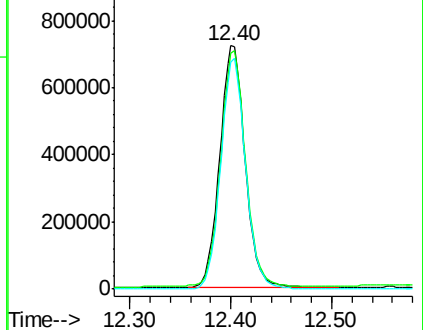
176 94.0 0.0 187.4

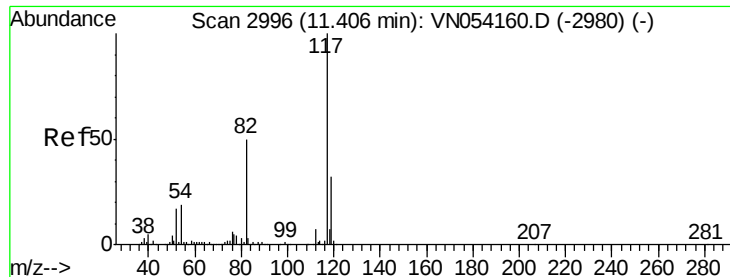


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

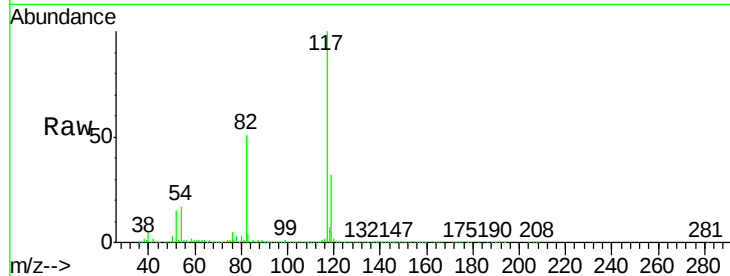




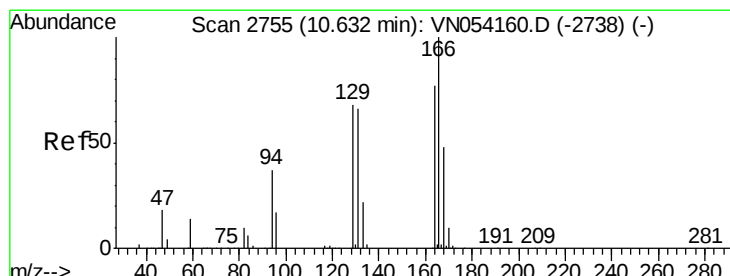
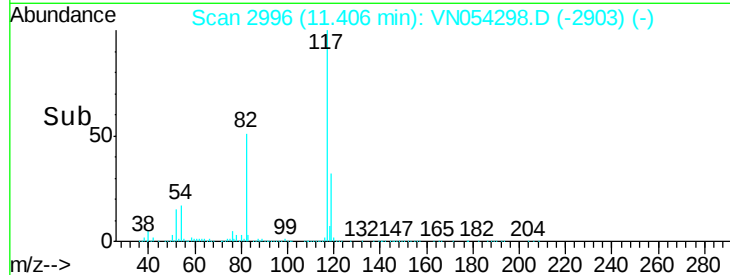
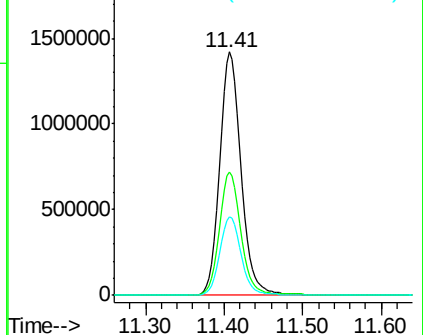
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Instrument :
MSVOA_N
ClientSampled :
30298

Tot Ion:117 Resp: 2639002
Ion Ratio Lower Upper
117 100
82 50.7 40.0 60.0
119 32.4 25.8 38.6

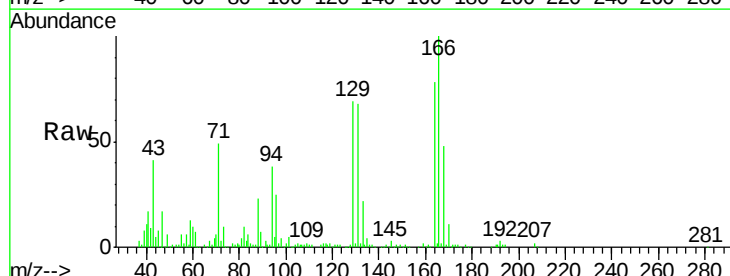


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

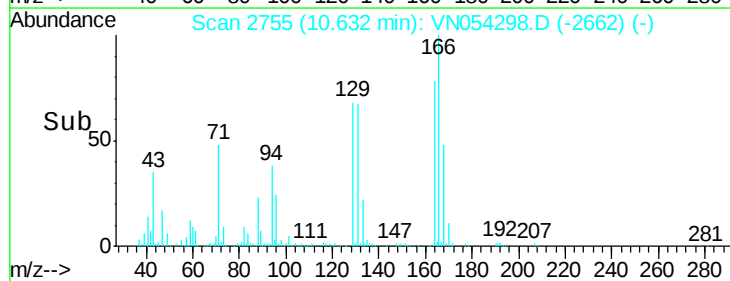
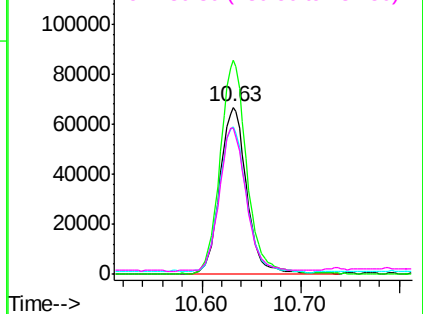


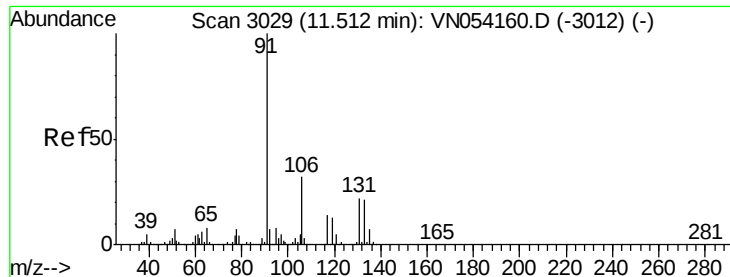
#64
Tetrachloroethene
Concen: 4.986 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Tgt Ion:164 Resp: 127217
Ion Ratio Lower Upper
164 100
166 127.7 103.9 155.9
129 87.0 71.1 106.7
131 85.0 68.2 102.4



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





#67

Ethyl Benzene

Concen: 13.828 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

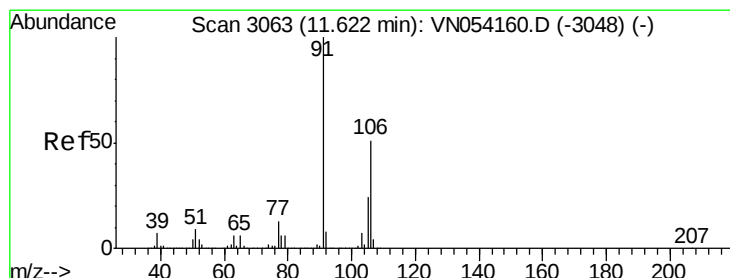
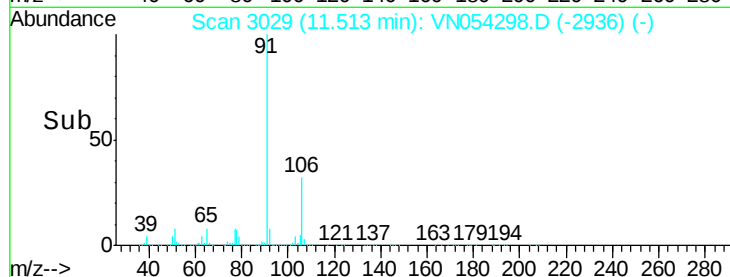
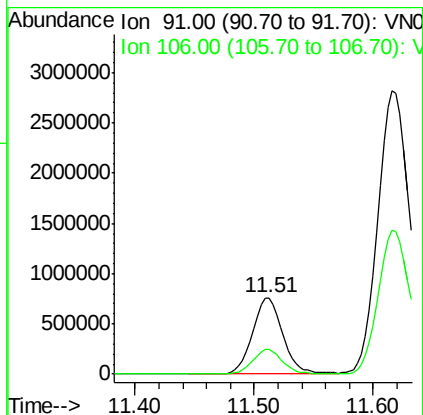
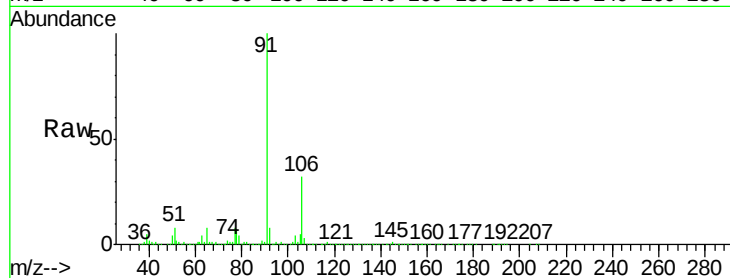
ClientSampled :
30298

Tot Ion: 91 Resp: 1328240

Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 72.993 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN054298.D

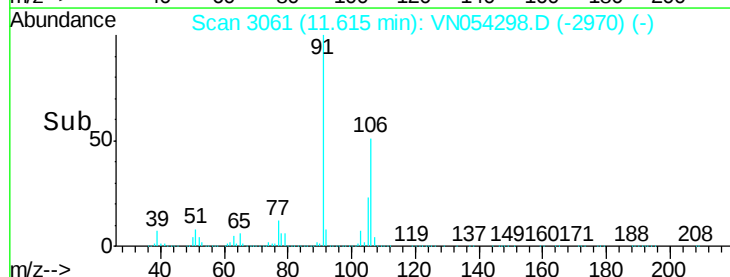
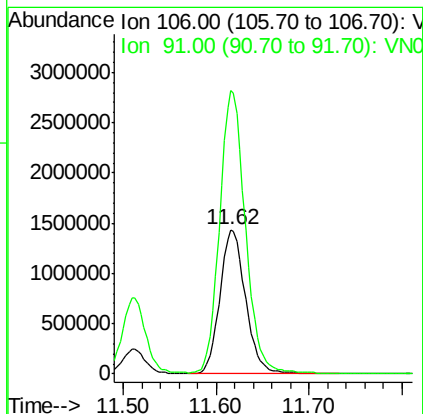
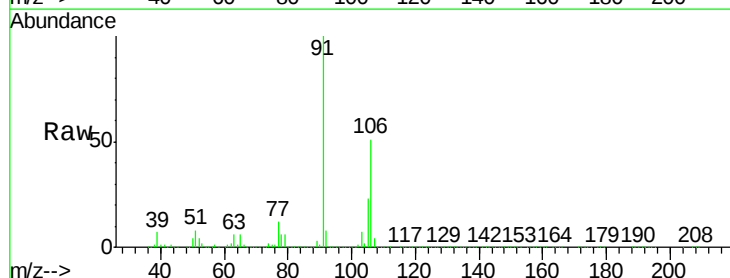
Acq: 15 Mar 2019 8:40

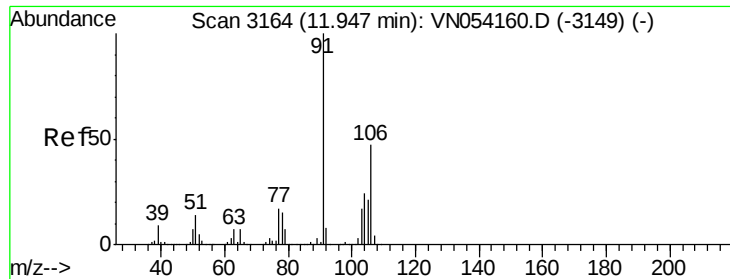
Tgt Ion: 106 Resp: 2740340

Ion Ratio Lower Upper

106 100

91 197.5 159.4 239.2

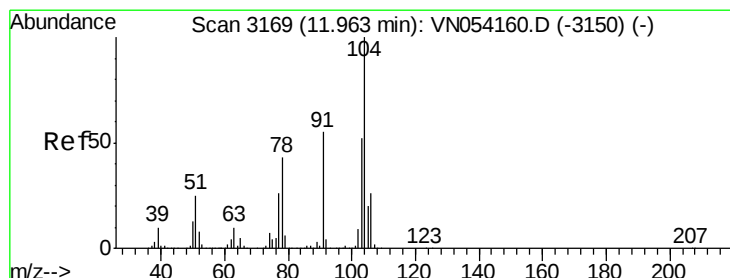
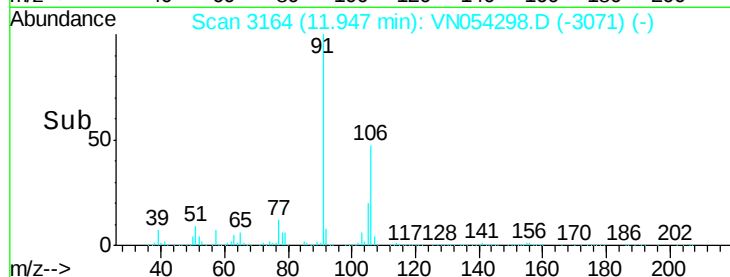
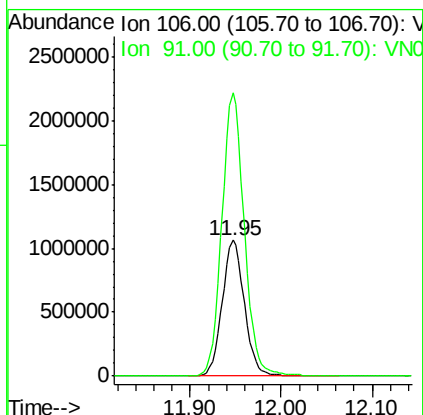
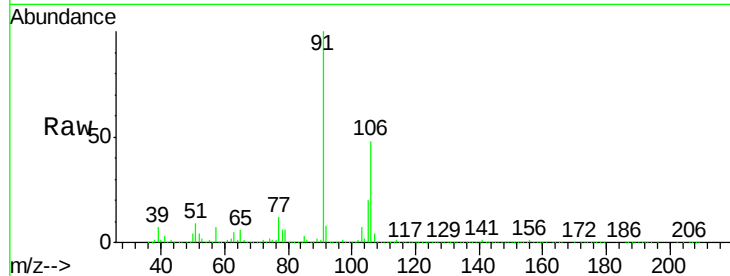




#69
o-Xylene
Concen: 49.105 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

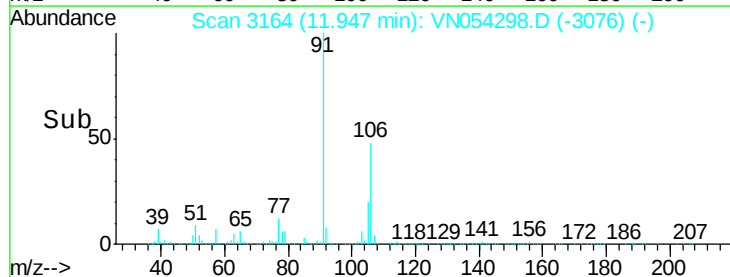
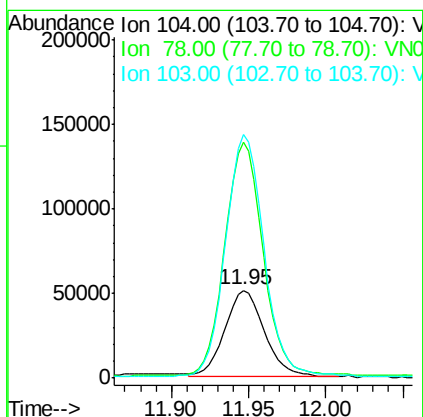
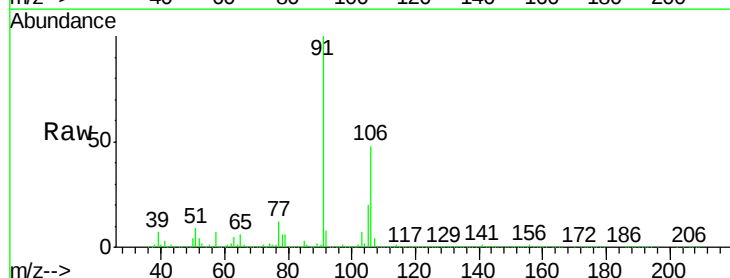
Instrument :
MSVOA_N
ClientSampled :
30298

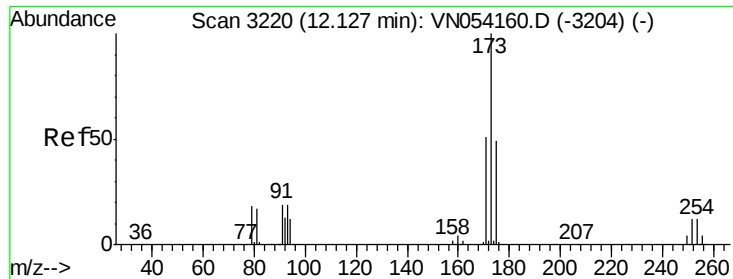
Tot Ion:106 Resp: 1797138
Ion Ratio Lower Upper
106 100
91 209.7 105.7 317.1



#70
Styrene
Concen: 1.570 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Tgt Ion:104 Resp: 90139
Ion Ratio Lower Upper
104 100
78 262.3 38.2 57.2#
103 271.0 44.4 66.6#





#71

Bromoform

Concen: 2.383 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

30298

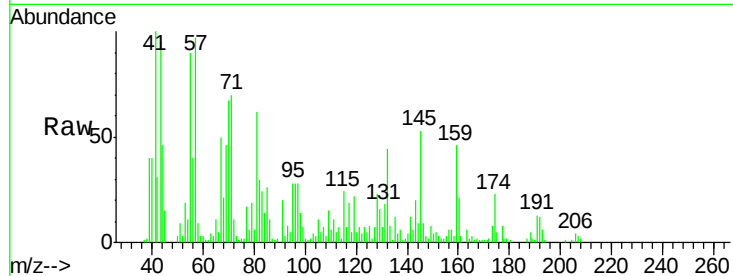
Tot Ion:173 Resp: 545

Ion Ratio Lower Upper

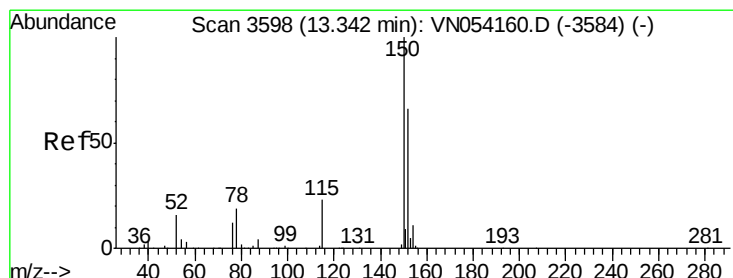
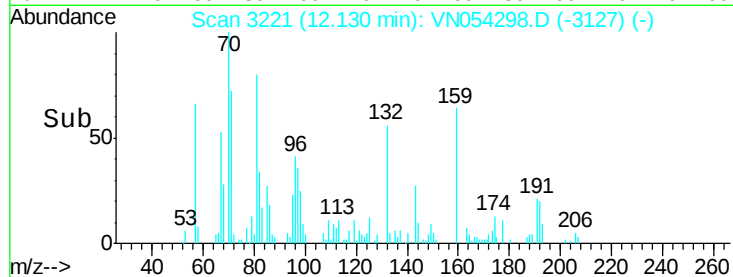
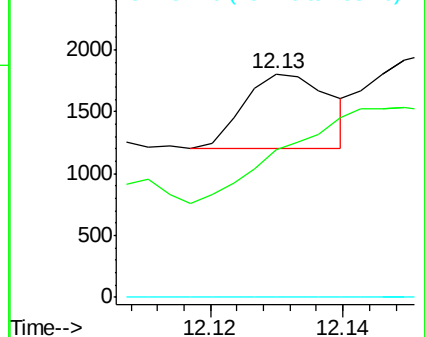
173 100

175 0.0 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: VN054298.D

Acq: 15 Mar 2019 8:40

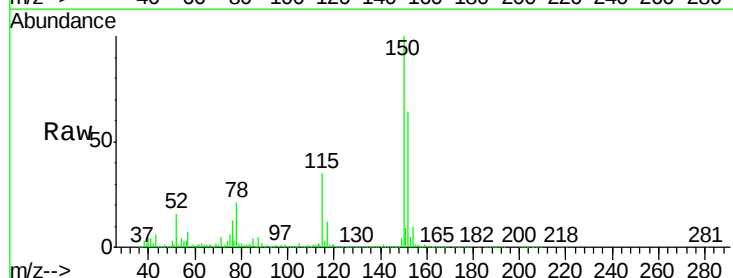
Tgt Ion:152 Resp: 1303112

Ion Ratio Lower Upper

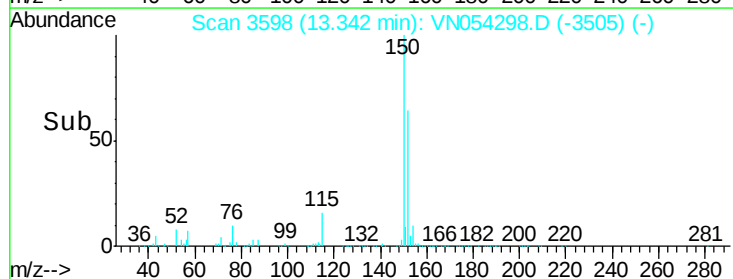
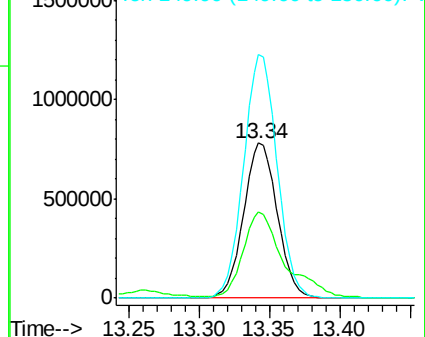
152 100

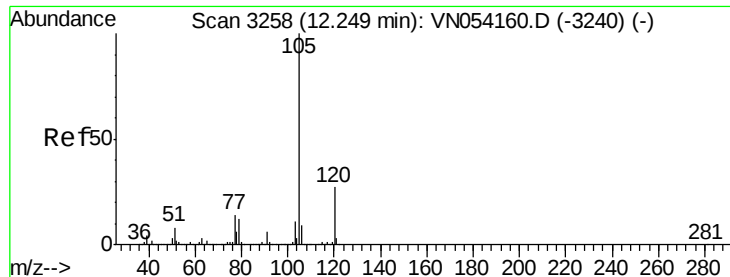
115 66.2 27.2 81.6

150 156.3 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: 2.035 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

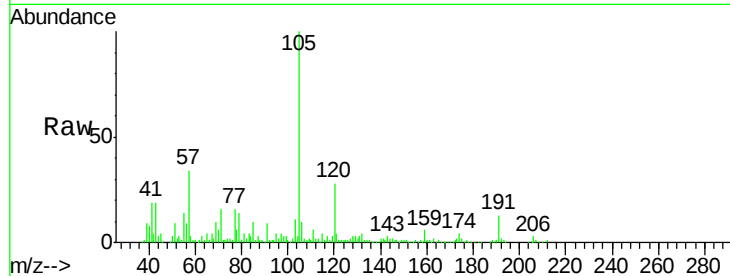
ClientSampleId :
30298

Tot Ion: 105 Resp: 212118

Ion Ratio Lower Upper

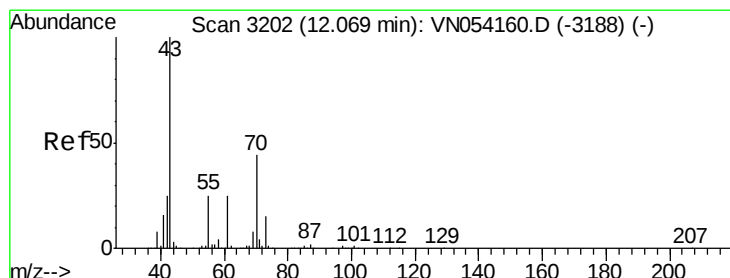
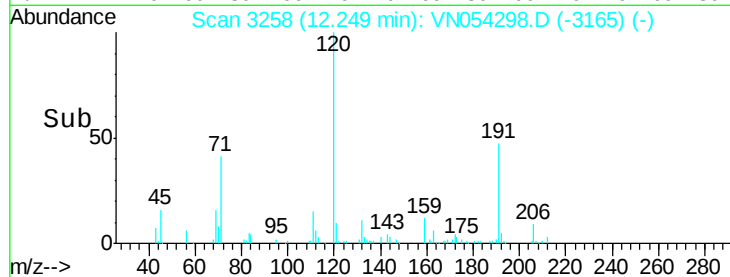
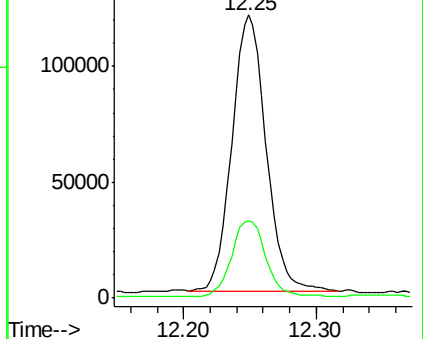
105 100

120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.828 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Tgt Ion: 43 Resp: 366274

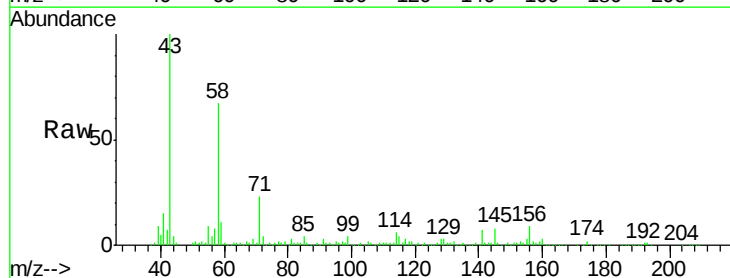
Ion Ratio Lower Upper

43 100

70 0.7 35.4 53.0#

55 5.5 19.8 29.6#

61 0.0 19.8 29.6#

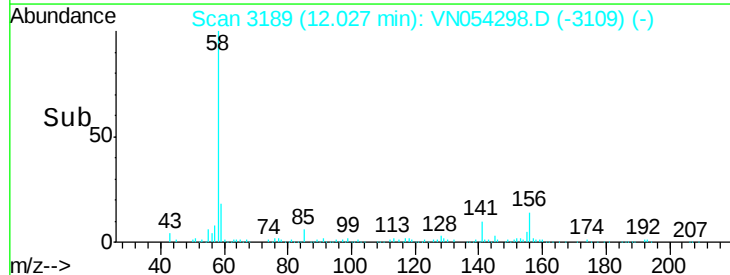
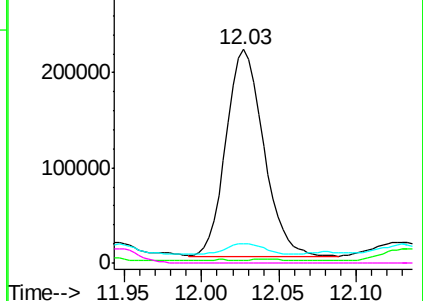


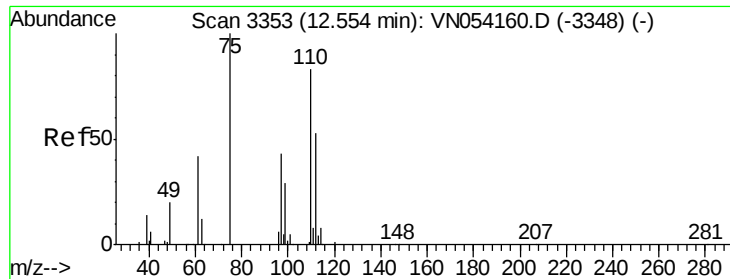
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 1.712 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

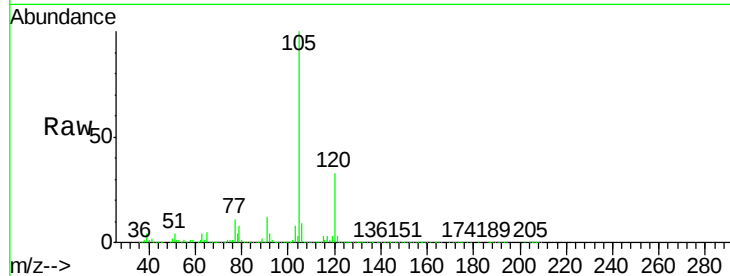
30298

Tot Ion: 75 Resp: 32812

Ion Ratio Lower Upper

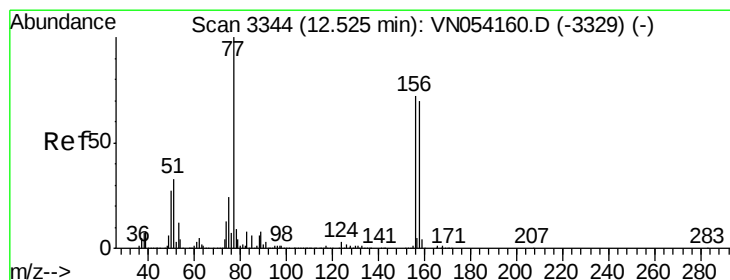
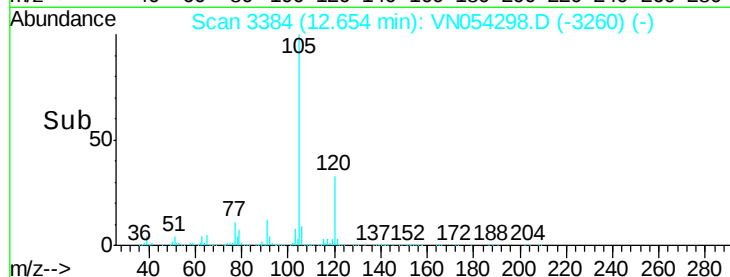
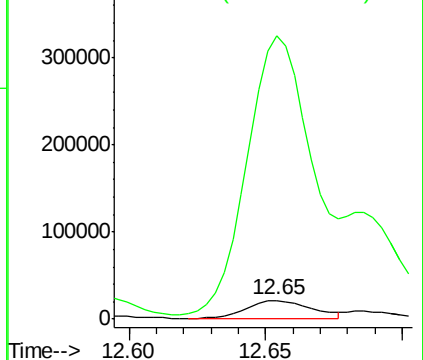
75 100

77 1611.6 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: 10.469 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.03 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

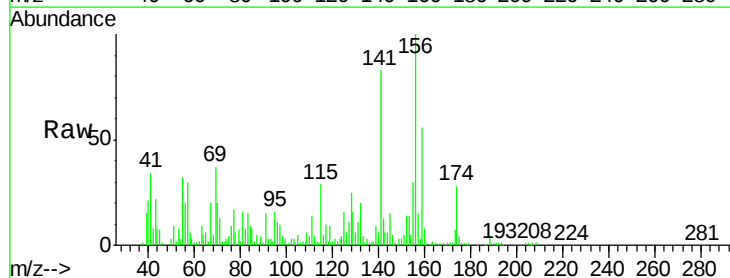
Tgt Ion: 156 Resp: 288810

Ion Ratio Lower Upper

156 100

77 0.0 81.5 244.4#

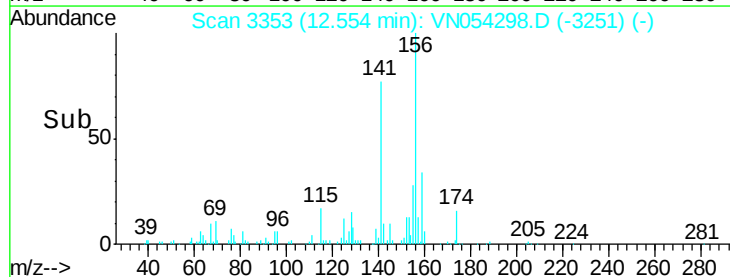
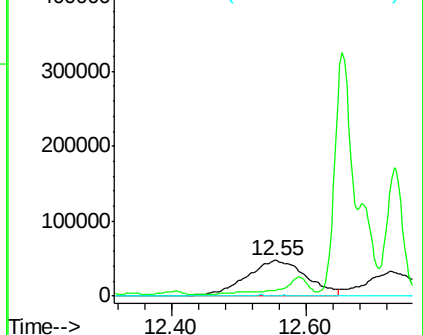
158 0.2 49.0 147.2#

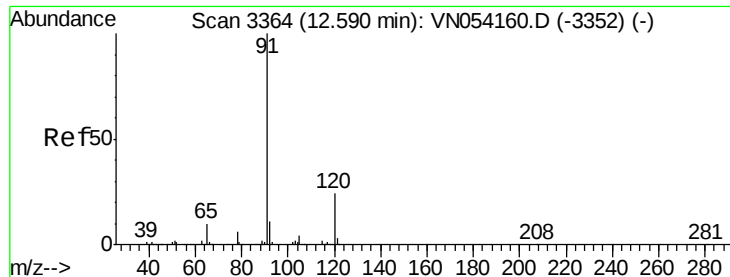


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 8.241 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

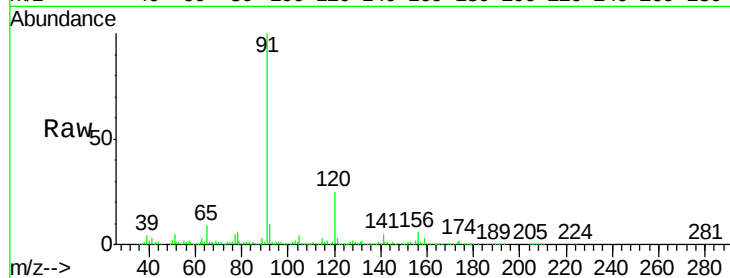
30298

Tot Ion: 91 Resp: 932295

Ion Ratio Lower Upper

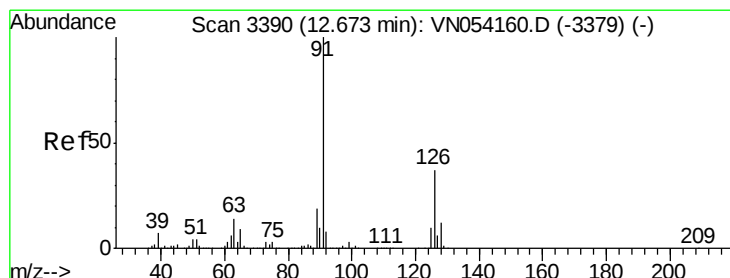
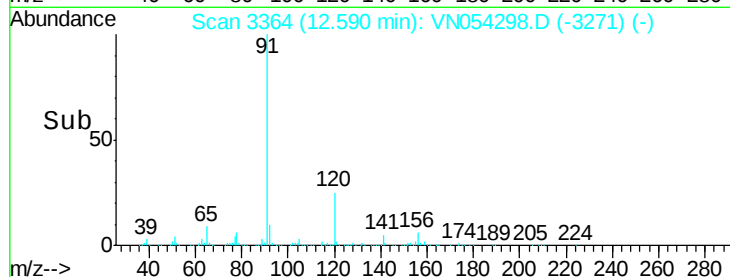
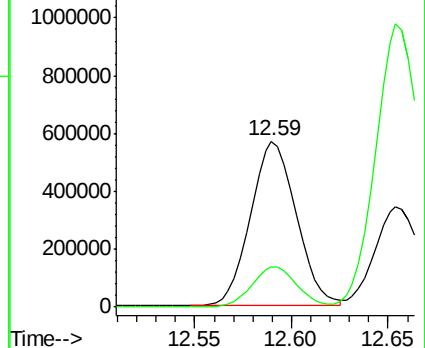
91 100

120 24.3 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: 7.587 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054298.D

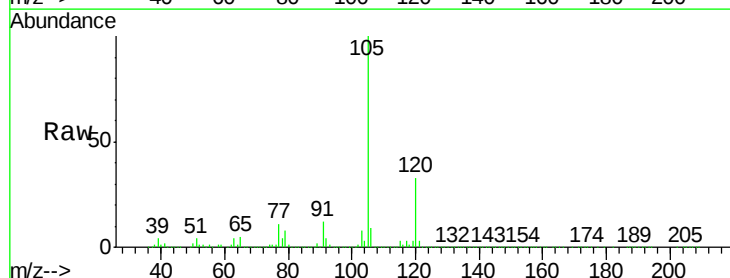
Acq: 15 Mar 2019 8:40

Tgt Ion: 91 Resp: 516091

Ion Ratio Lower Upper

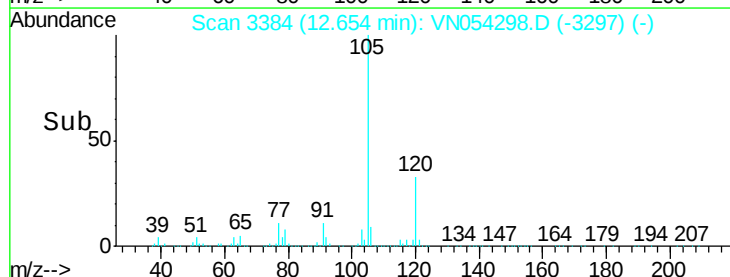
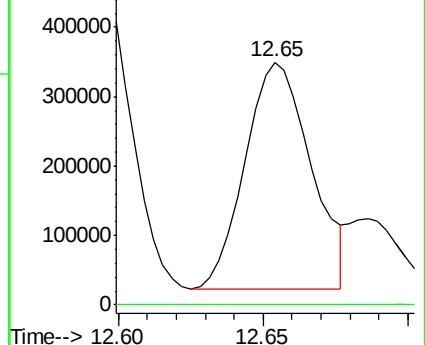
91 100

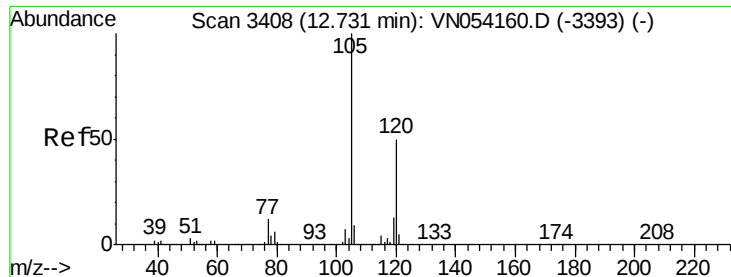
126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 26.424 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampled :

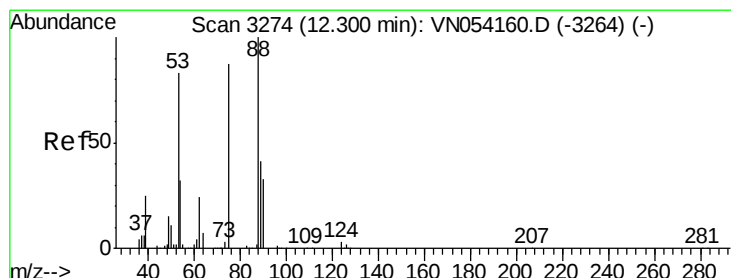
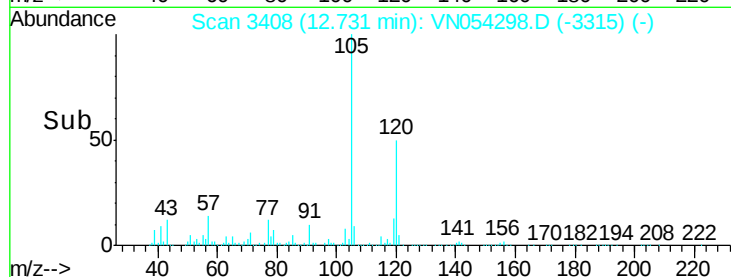
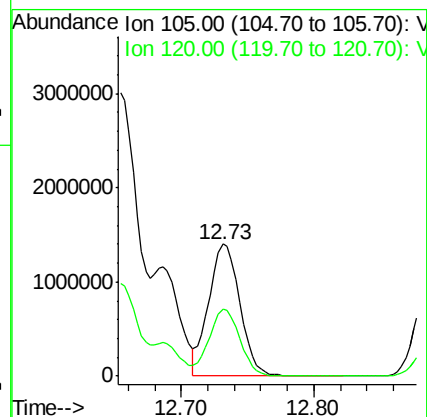
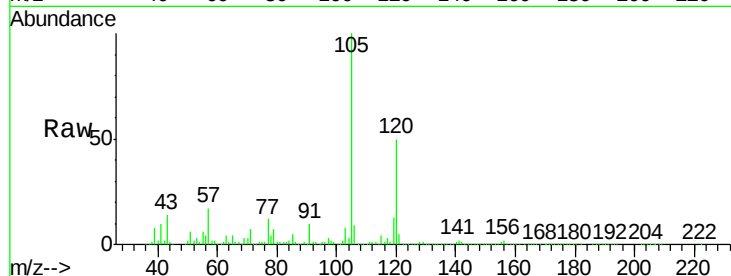
30298

Tot Ion:105 Resp: 2291534

Ion Ratio Lower Upper

105 100

120 50.0 25.0 75.0



#81

trans-1,4-Dichloro-2-butene

Concen: 102.977 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

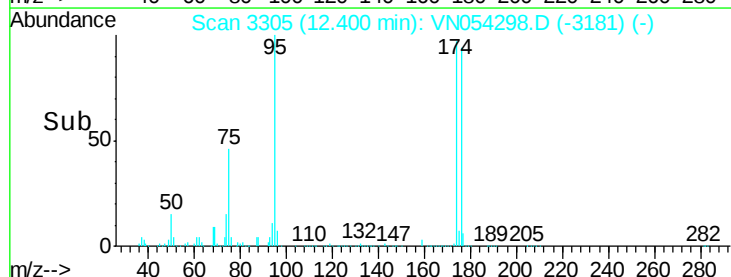
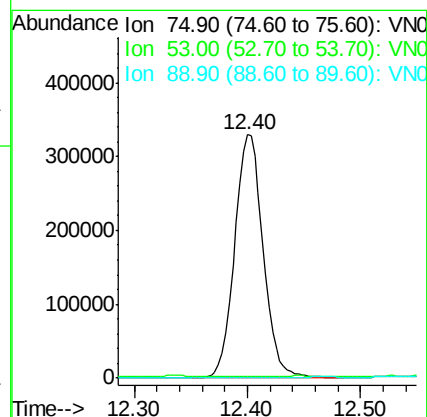
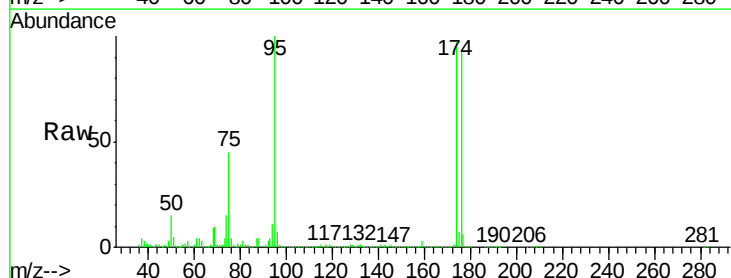
Tgt Ion: 75 Resp: 577258

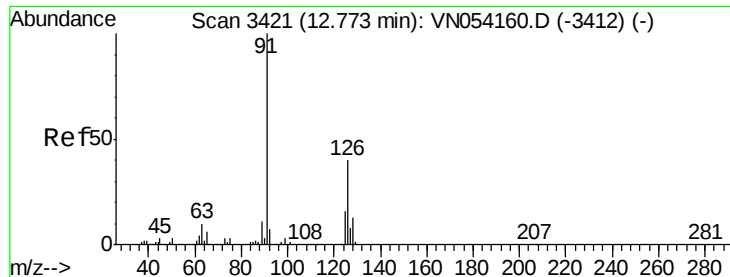
Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.1 39.2 58.8#

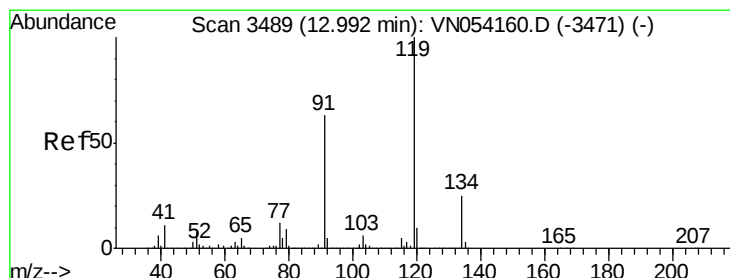
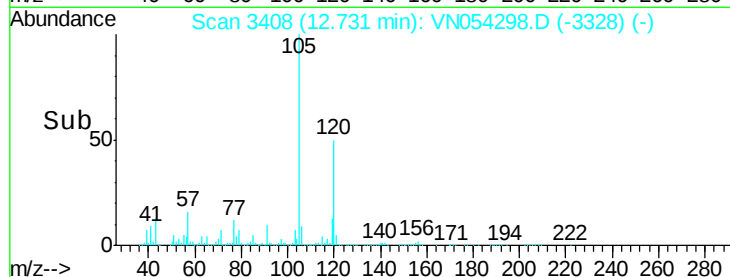
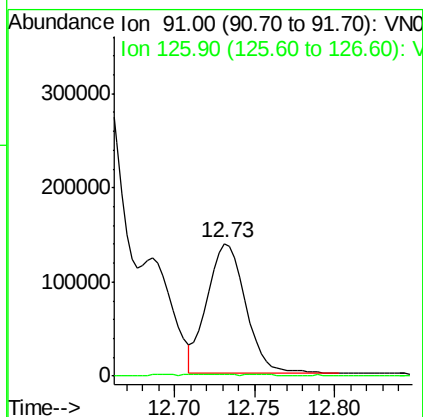
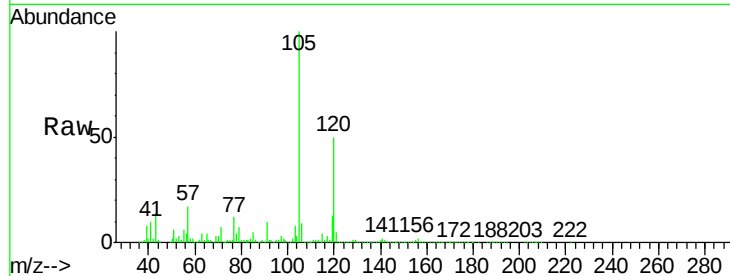




#82
4-Chlorotoluene
Concen: 3.392 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.04 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

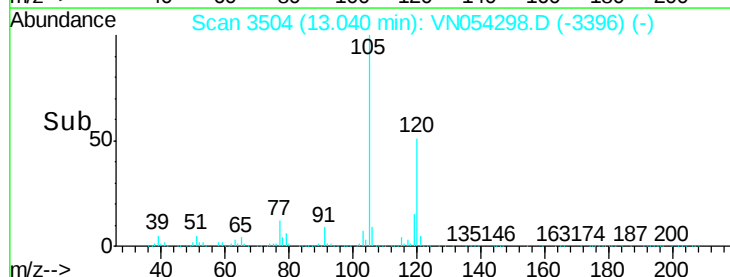
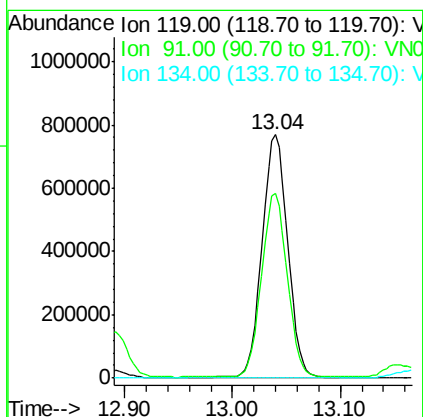
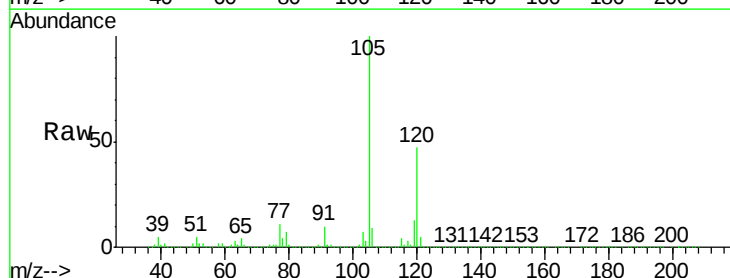
Instrument :
MSVOA_N
ClientSampled :
30298

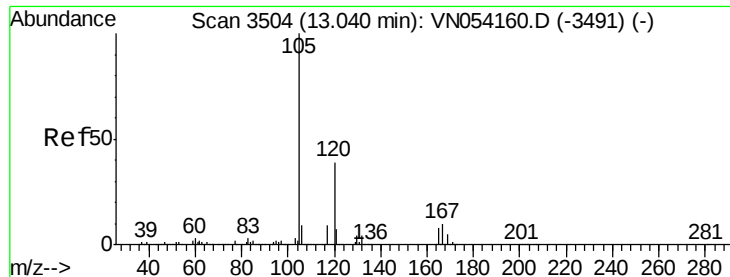
Tot Ion: 91 Resp: 230350
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#83
tert-Butylbenzene
Concen: 15.851 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Tgt Ion: 119 Resp: 1265228
Ion Ratio Lower Upper
119 100
91 75.7 30.9 92.8
134 0.0 13.2 39.6#





#84

1,2,4-Trimethylbenzene

Concen: 117.319 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

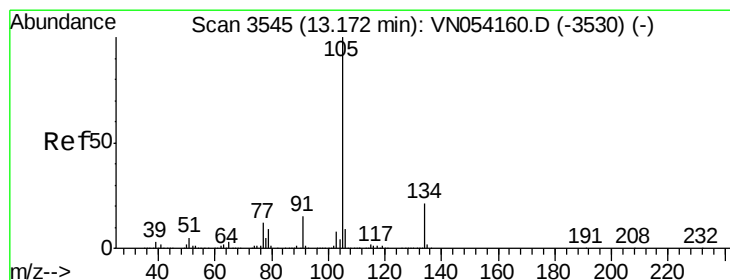
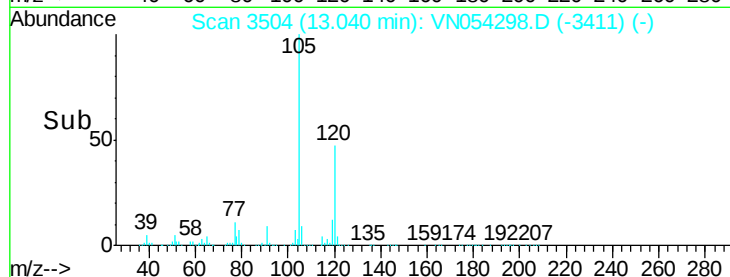
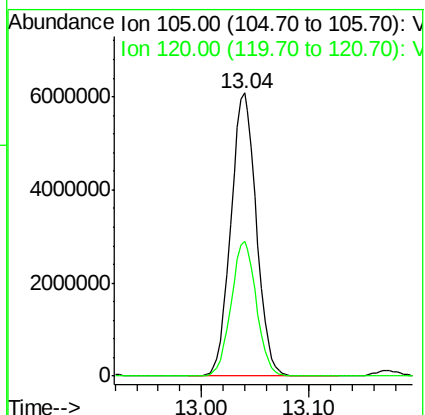
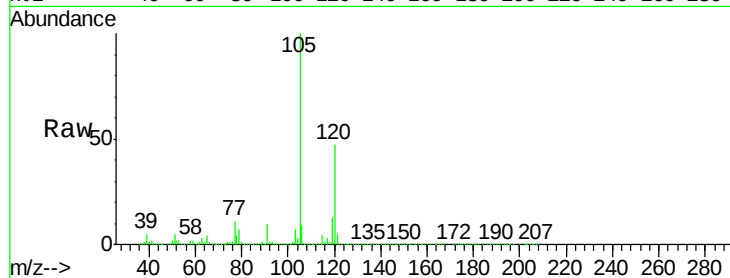
30298

Tot Ion:105 Resp: 9981069

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.3



#85

sec-Butylbenzene

Concen: 96.420 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054298.D

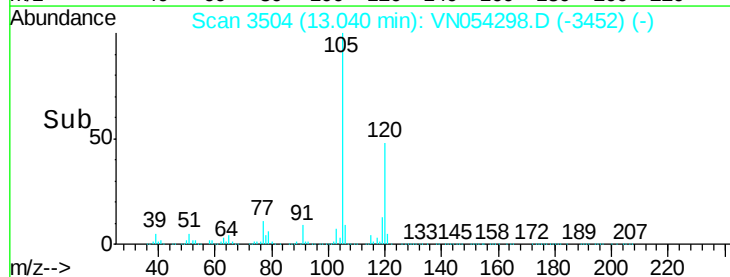
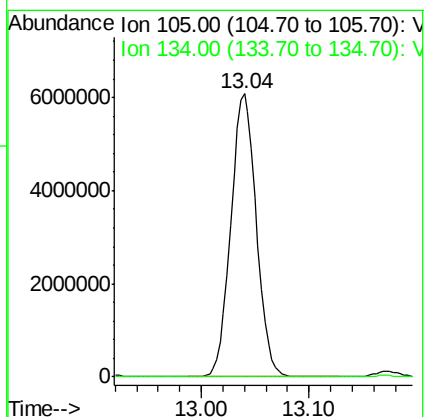
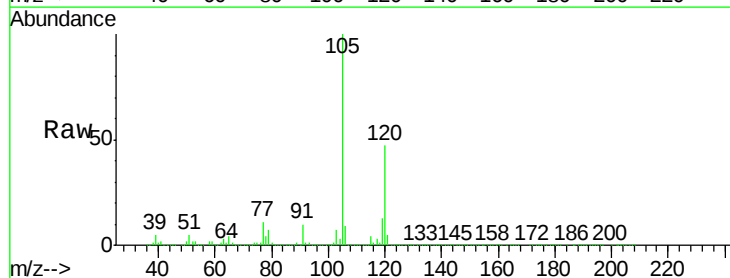
Acq: 15 Mar 2019 8:40

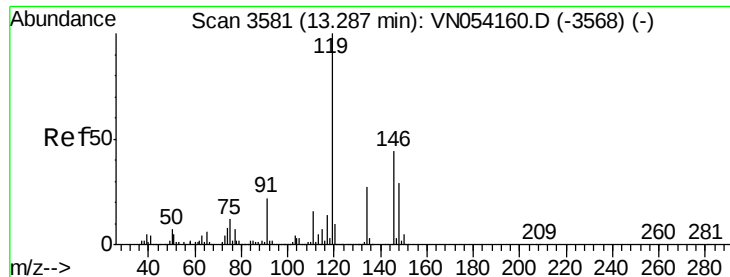
Tgt Ion:105 Resp: 9981069

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#

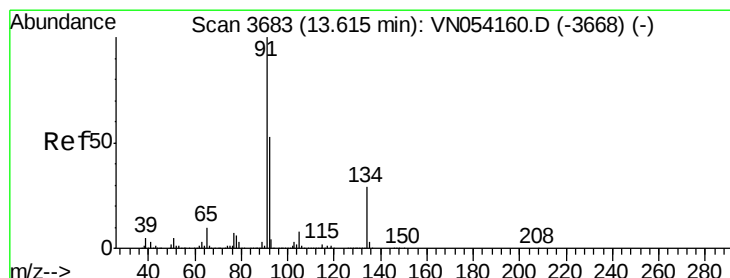
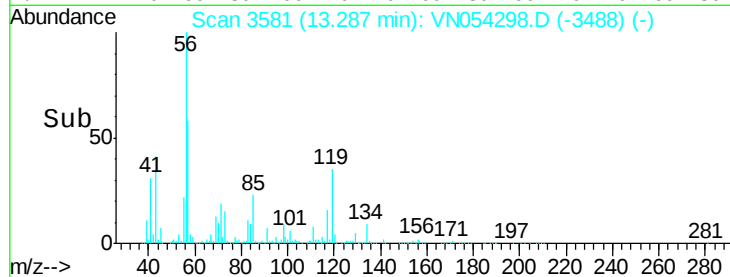
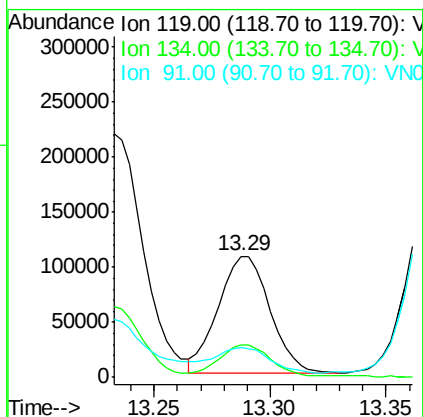
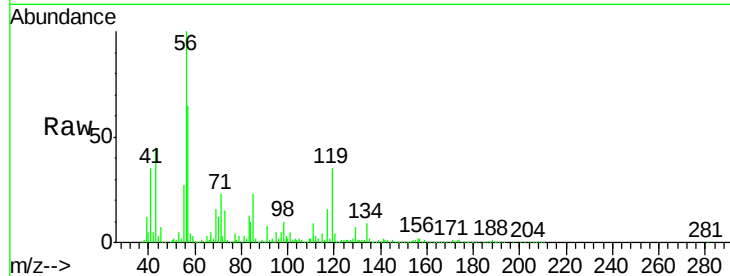




#86
p-Isopropyltoluene
Concen: 1.803 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

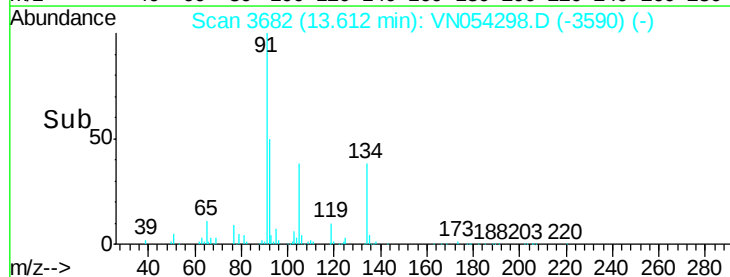
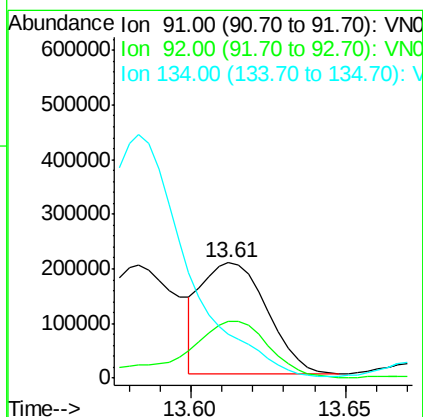
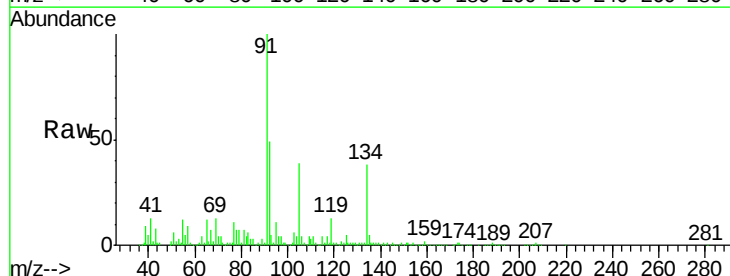
Instrument :
MSVOA_N
ClientSampleId :
30298

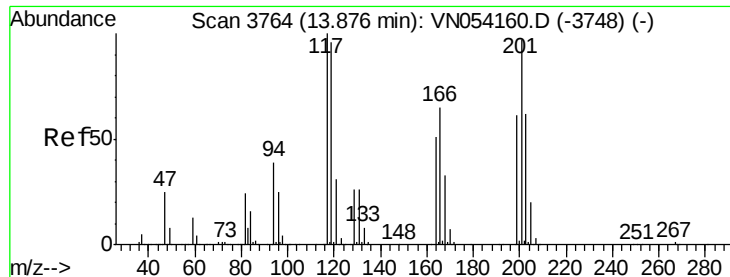
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.6	40.8
91	22.4	11.1	33.3



#89
n-Butylbenzene
Concen: 4.315 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054298.D
Acq: 15 Mar 2019 8:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	66.2	26.2	78.6
134	0.0	14.3	42.9#





#90

Hexachloroethane

Concen: 12.308 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

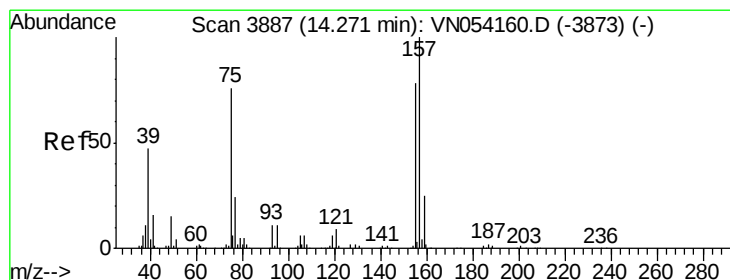
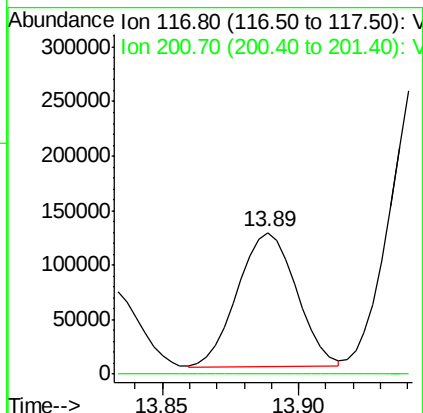
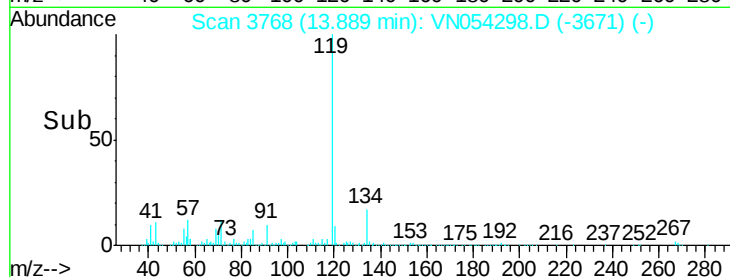
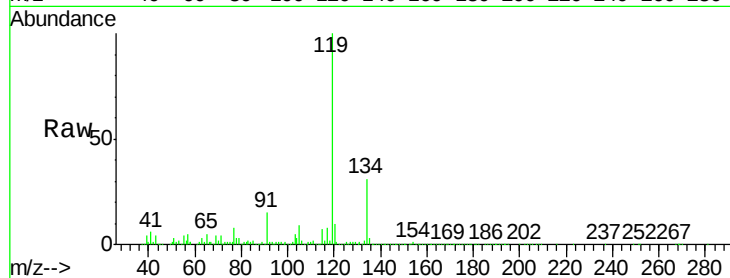
ClientSampled :
30298

Tot Ion:117 Resp: 185077

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.824 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

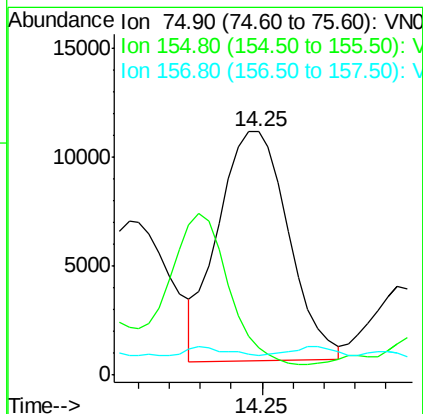
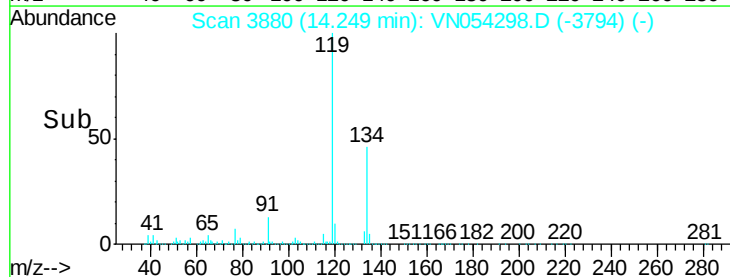
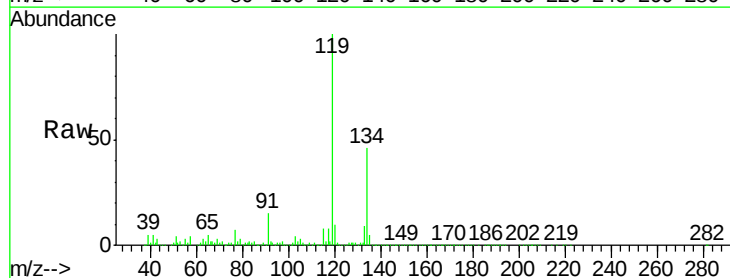
Tgt Ion: 75 Resp: 16581

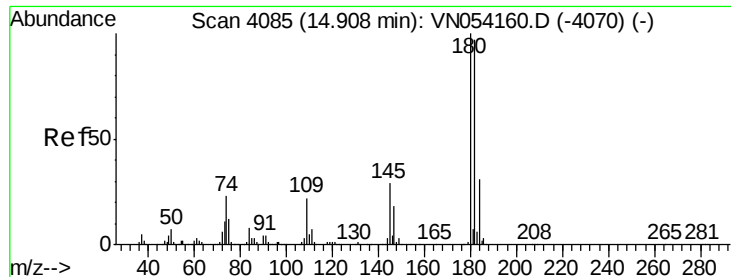
Ion Ratio Lower Upper

75 100

155 0.0 50.1 150.3#

157 2.2 63.1 189.3#

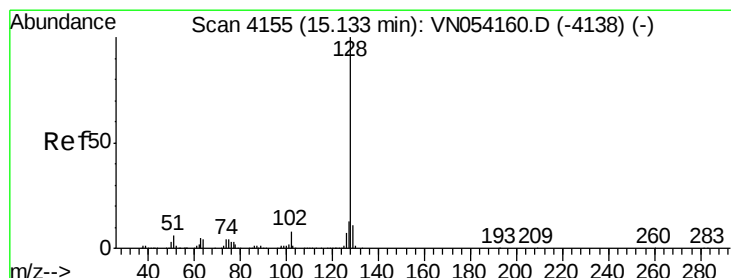
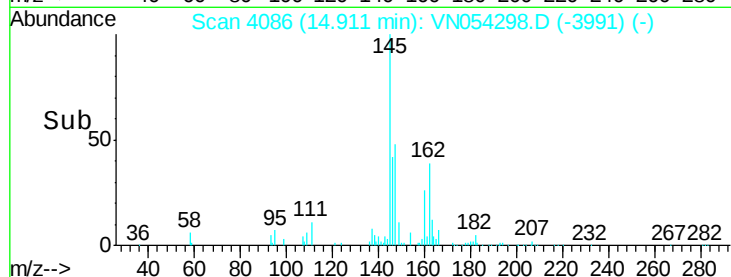
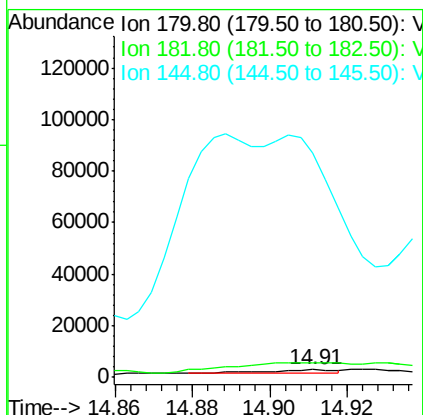
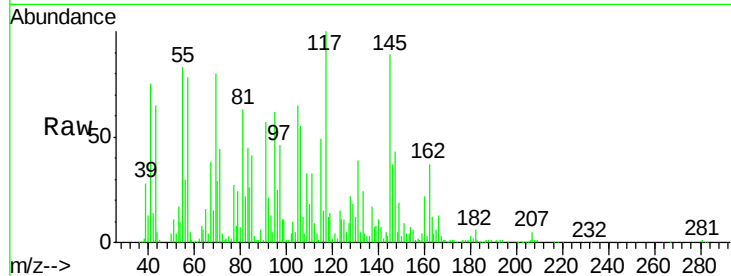




#93
 1,2,4-Trichlorobenzene
 Concen: 2.569 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054298.D
 Acq: 15 Mar 2019 8:40

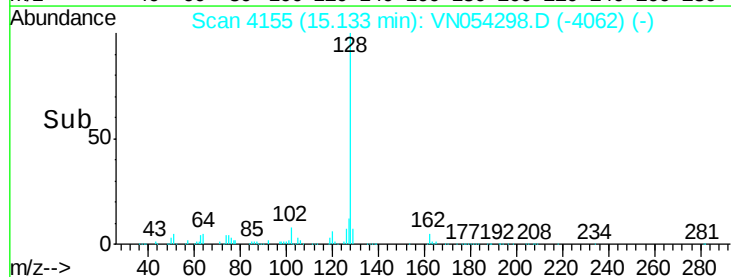
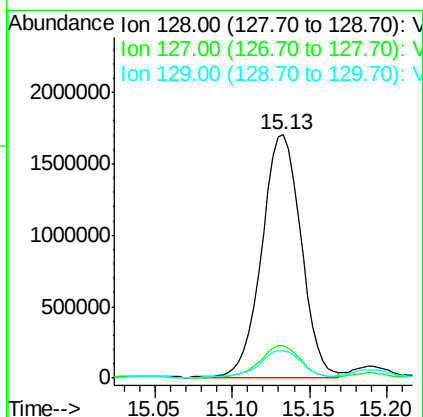
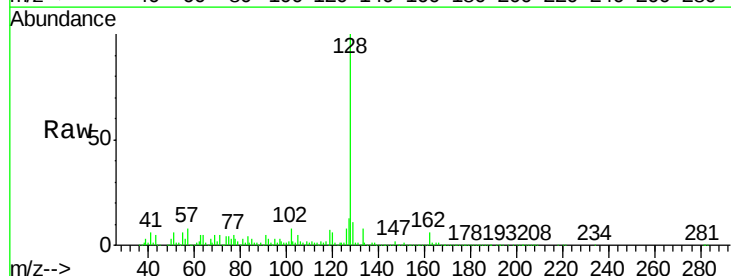
Instrument :
 MSVOA_N
 ClientSampled :
 30298

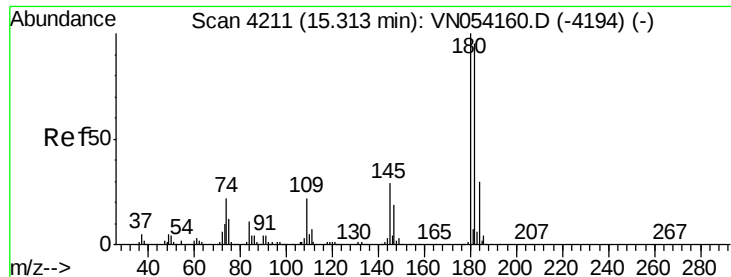
Tot Ion:180 Resp: 1526
 Ion Ratio Lower Upper
 180 100
 182 576.5 48.0 144.2#
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 52.153 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054298.D
 Acq: 15 Mar 2019 8:40

Tgt Ion:128 Resp: 2989979
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.1 15.1
 129 11.7 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.913 ug/l

RT: 15.34 min Scan# 4219

Delta R.T. 0.03 min

Lab File: VN054298.D

Acq: 15 Mar 2019 8:40

Instrument :

MSVOA_N

ClientSampleId :

30298

Tot Ion:180 Resp: 22036

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

145 1186.6 14.8 44.3#

