

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054414.D
 Acq On : 19 Mar 2019 1:23
 Operator : JC/SP
 Sample : K1902-14 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30296-97-30304-05-06

Quant Time: Mar 19 05:18:40 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	7.67	168	1863487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2674838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2279622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	897684	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	895132	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
35) Dibromofluoromethane	7.59	113	815922	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	10.09	98	3153143	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	958162	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	250	1.506	ug/l #	45
11) Tert butyl alcohol	4.82	59	10373	7.646	ug/l #	84
13) Acrolein	3.61	56	5088	3.958	ug/l	87
14) Allyl chloride	4.08	41	61740	2.486	ug/l #	69
16) Acetone	3.82	43	476506	84.093	ug/l	100
18) Methyl Acetate	4.33	43	40230	3.509	ug/l	97
20) Methylene Chloride	4.55	84	9411	0.506	ug/l #	92
22) Diisopropyl ether	6.07	45	16723	0.337	ug/l #	1
23) Vinyl Acetate	6.07	43	38738	1.060	ug/l #	70
25) 2-Butanone	6.94	43	1434662	215.718	ug/l #	46
29) Tetrahydrofuran	7.24	42	4414	1.032	ug/l #	32
31) Cyclohexane	7.66	56	26899	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	106777	4.335	ug/l #	43
37) Ethyl Acetate	6.94	43	1434662	101.362	ug/l	97
38) Carbon Tetrachloride	7.66	117	154551	5.983	ug/l #	16
43) Isopropyl Acetate	8.17	43	716314	28.833	ug/l	98
45) 1,2-Dichloropropane	9.27	63	74681	4.267	ug/l #	44
48) Methyl methacrylate	9.27	41	4648928	368.733	ug/l #	36
49) 1,4-Dioxane	9.27	88	10107	56.674	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	14163	1.077	ug/l	96
52) Toluene	10.16	92	588911	13.176	ug/l	98
53) t-1,3-Dichloropropene	10.15	75	6818	2.227	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.52	63	102	16.839	ug/l #	44
59) 2-Hexanone	10.76	43	4144	0.474	ug/l #	51
68) m/p-Xylenes	11.62	106	23194	0.715	ug/l	98
69) o-Xylene	11.95	106	46677	1.476	ug/l	98
71) Bromoform	12.40	173	5847	2.753	ug/l #	1
73) Isopropylbenzene	12.25	105	17952	0.250	ug/l	99
76) 1,2,3-Trichloropropane	12.40	75	445976	33.784	ug/l #	100
78) n-propylbenzene	12.59	91	68880	0.884	ug/l	99
79) 2-Chlorotoluene	12.65	91	47952	1.023	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.73	105	147519	2.469	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	445976	115.488	ug/l #	11
82) 4-Chlorotoluene	12.73	91	13709	0.293	ug/l #	39

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054414.D
 Acq On : 19 Mar 2019 1:23
 Operator : JC/SP
 Sample : K1902-14 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30296-97-30304-05-06

Quant Time: Mar 19 05:18:40 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

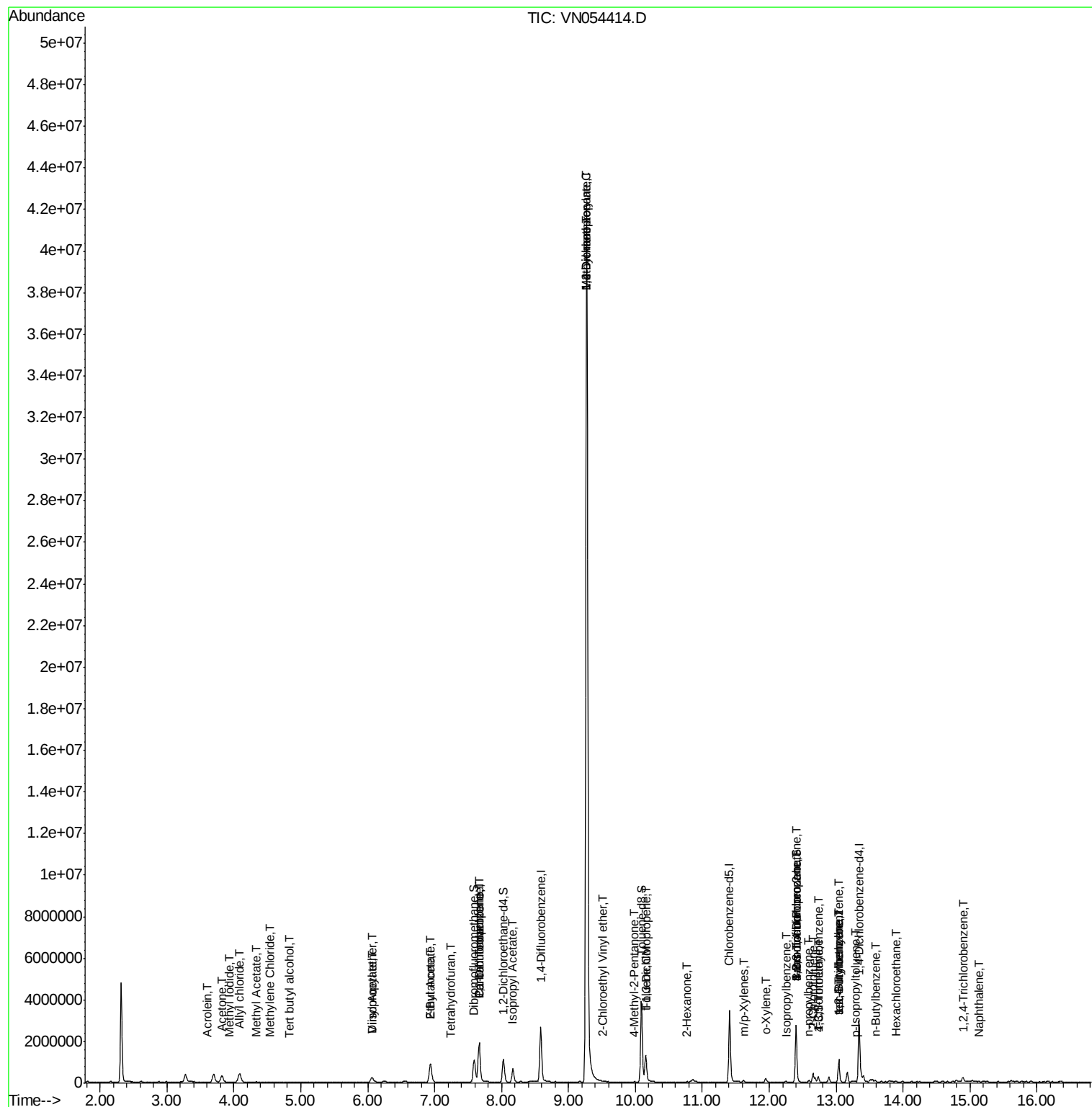
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	83375	1.516	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	667218	11.385	ug/l	100
85) sec-Butylbenzene	13.04	105	667218	9.357	ug/l #	55
86) p-Isopropyltoluene	13.29	119	14171	0.227	ug/l	98
89) n-Butylbenzene	13.59	91	11562	0.243	ug/l #	1
90) Hexachloroethane	13.89	117	3352	0.324	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.90	180	486	2.541	ug/l	69
95) Naphthalene	15.13	128	9696	3.699	ug/l #	89

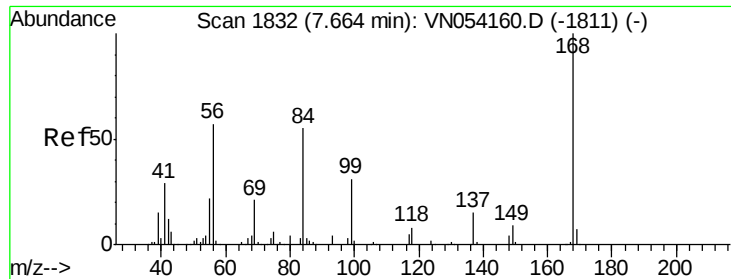
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054414.D
Acq On : 19 Mar 2019 1:23
Operator : JC/SP
Sample : K1902-14 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
30296-97-30304-05-06

Quant Time: Mar 19 05:18:40 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

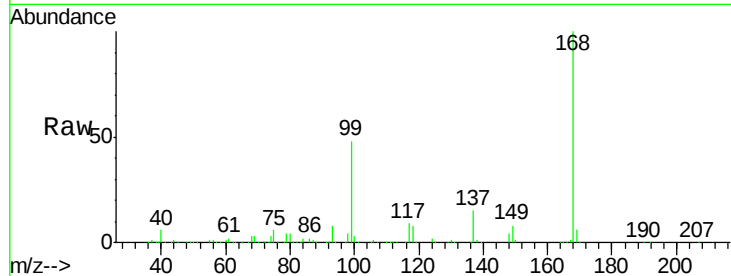
30296-97-30304-05-06

Tot Ion:168 Resp: 1863487

Ion Ratio Lower Upper

168 100

99 48.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

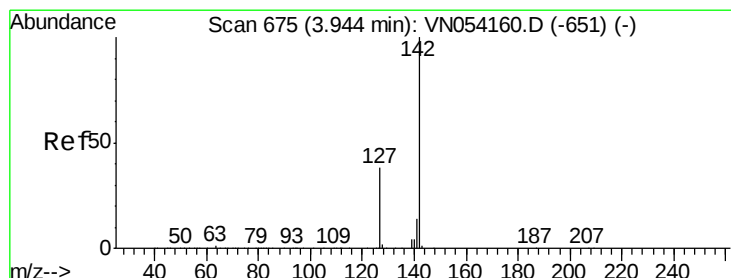
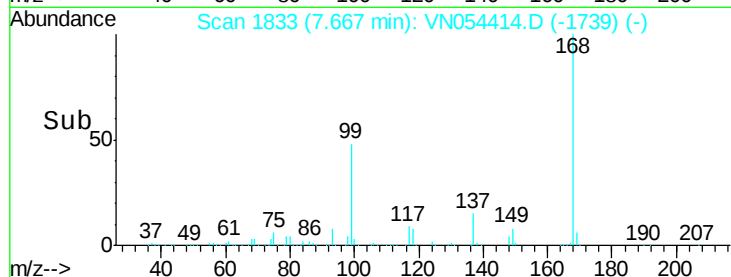
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#10

Methyl Iodide

Concen: 1.506 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

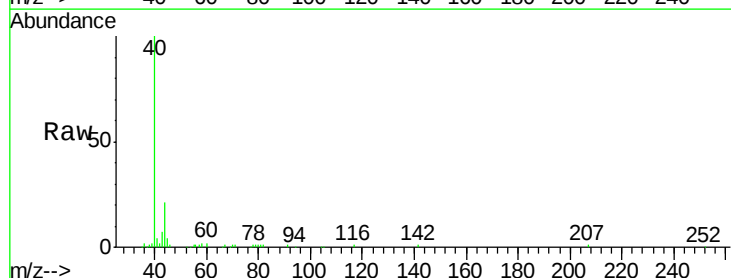
Tgt Ion:142 Resp: 250

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

141 0.0 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

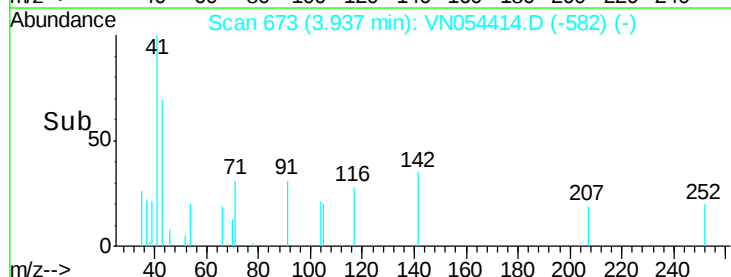
300

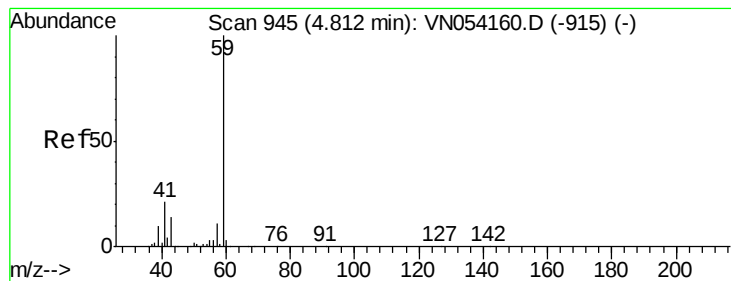
200

100

0

Time--> 3.92 3.94 3.96



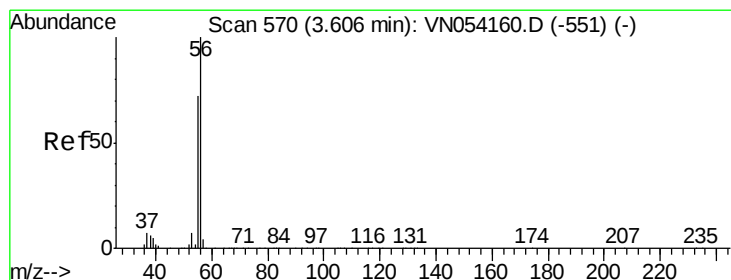
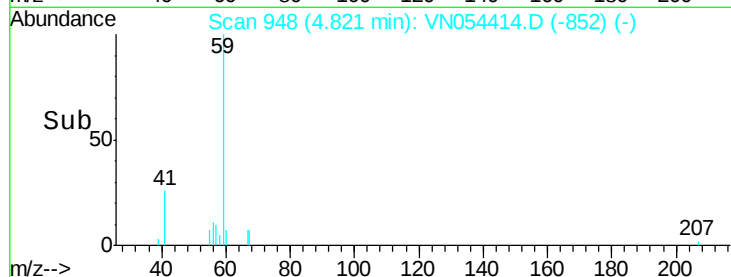
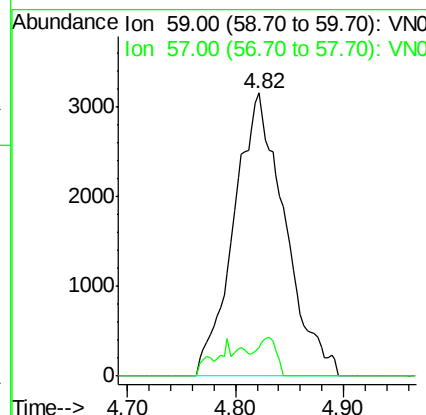
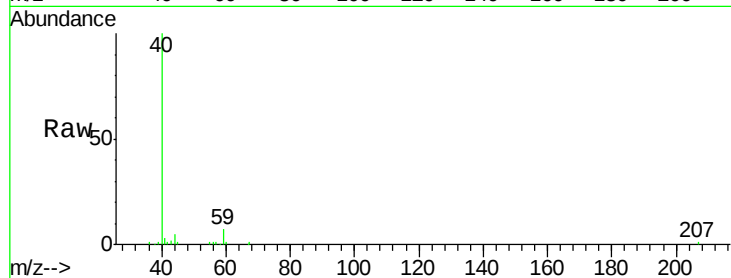


#11

Tert butyl alcohol
 Concen: 7.646 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 30296-97-30304-05-06

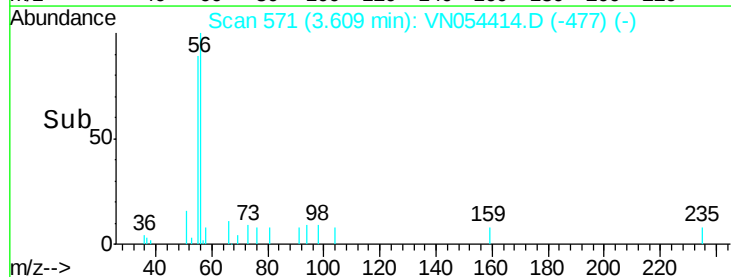
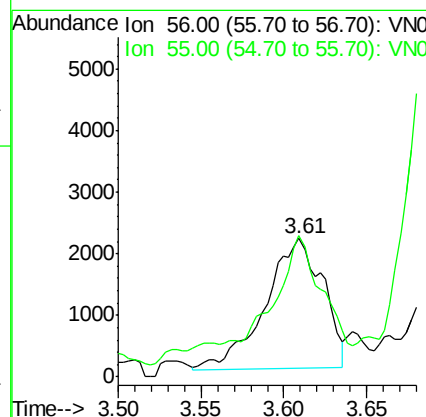
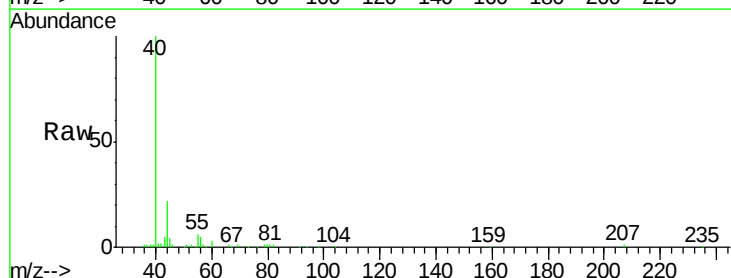
Tot Ion: 59 Resp: 10373
 Ion Ratio Lower Upper
 59 100
 57 5.0 9.0 13.6#

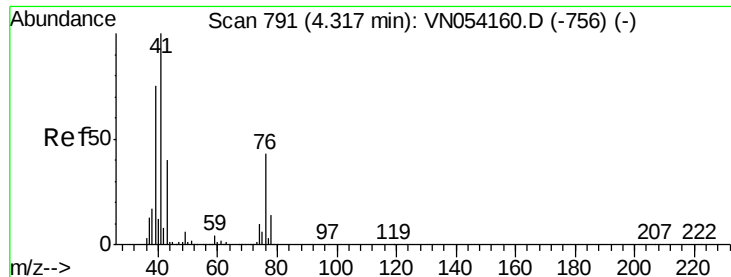


#13

Acrolein
 Concen: 3.958 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

Tgt Ion: 56 Resp: 5088
 Ion Ratio Lower Upper
 56 100
 55 59.8 56.7 85.1

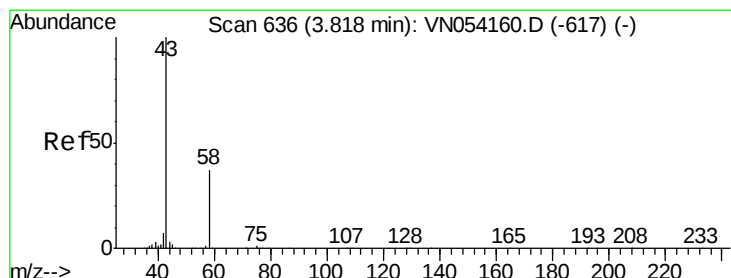
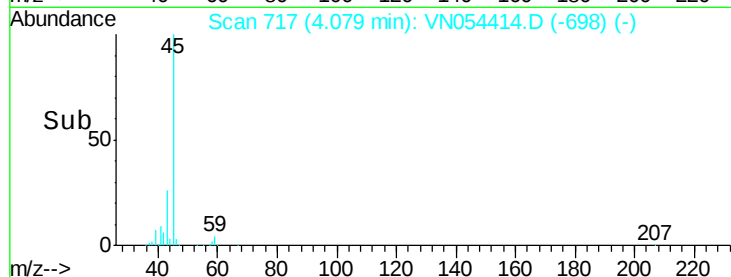
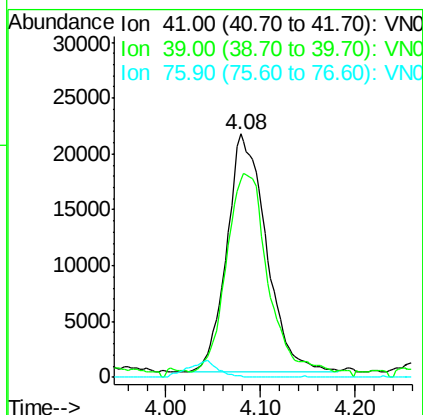
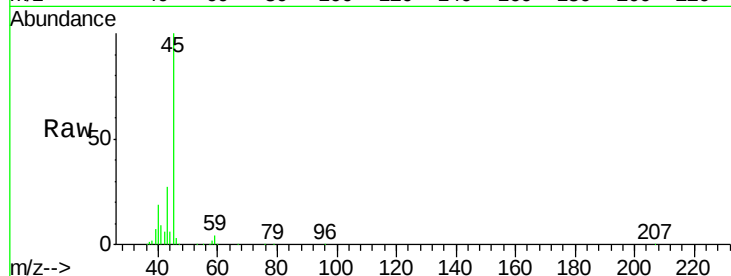




#14
Allvl chloride
Concen: 2.486 ug/l
RT: 4.08 min Scan# 717
Delta R.T. -0.24 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

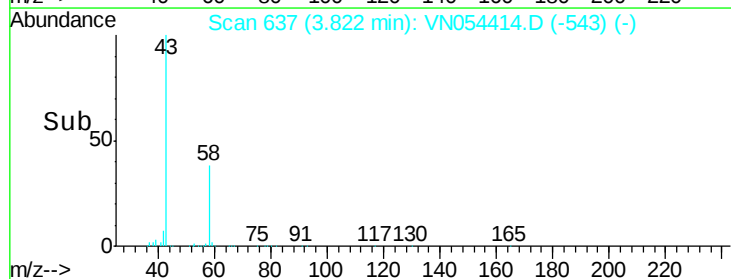
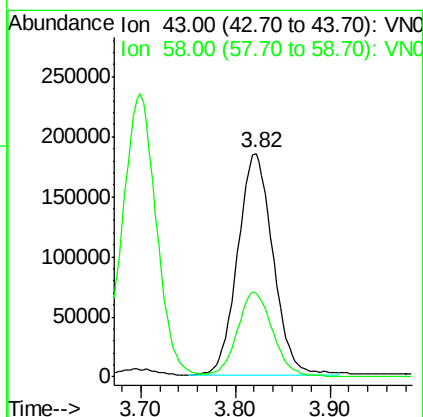
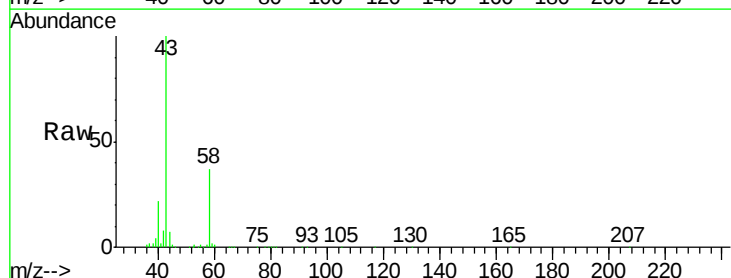
Instrument :
MSVOA_N
ClientSampleId :
30296-97-30304-05-06

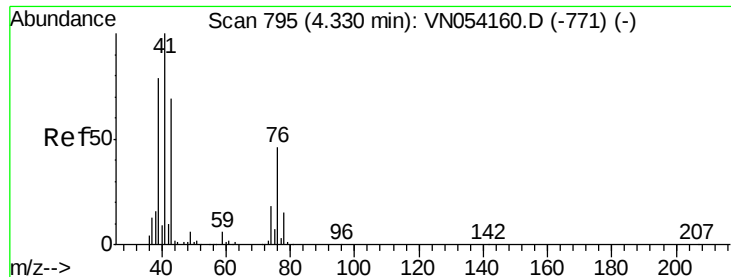
Tot Ion: 41 Resp: 61740
Ion Ratio Lower Upper
41 100
39 84.2 58.2 87.4
76 0.0 31.7 47.5#



#16
Acetone
Concen: 84.093 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

Tgt Ion: 43 Resp: 476506
Ion Ratio Lower Upper
43 100
58 37.4 29.9 44.9

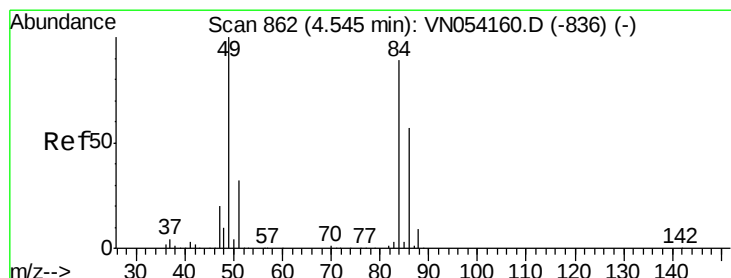
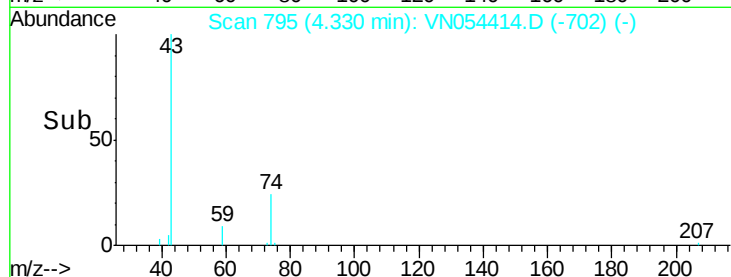
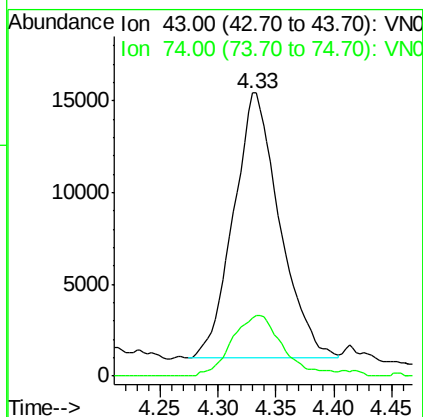
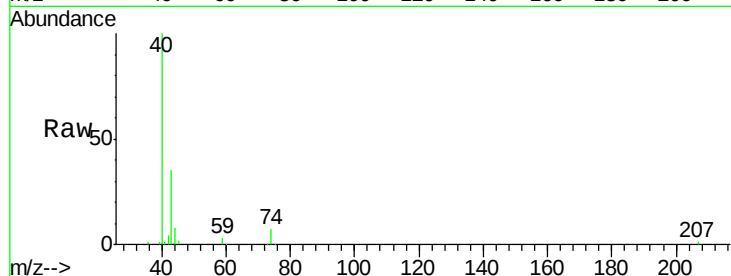




#18
Methyl Acetate
Concen: 3.509 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

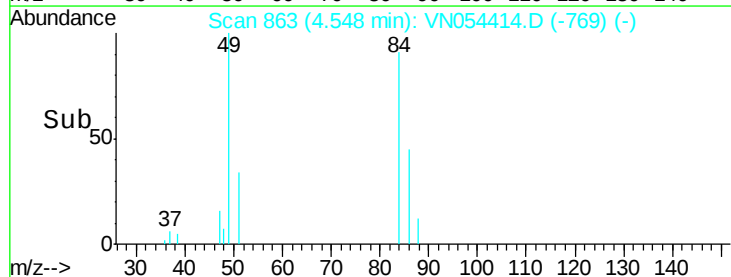
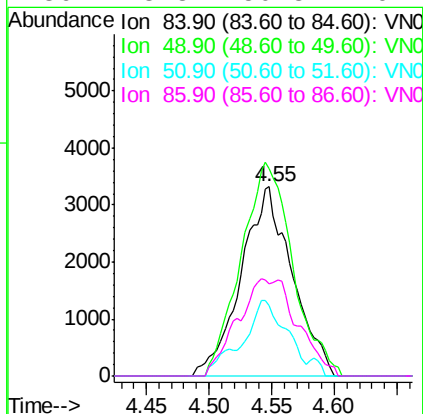
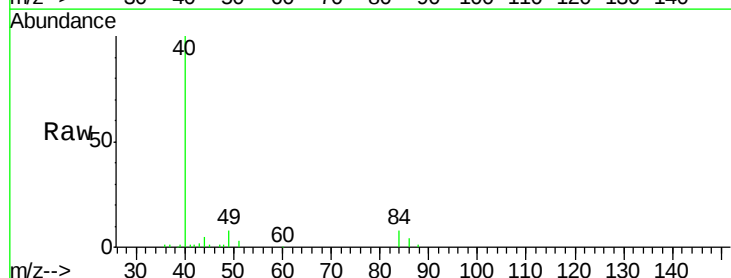
Instrument :
MSVOA_N
ClientSampleId :
30296-97-30304-05-06

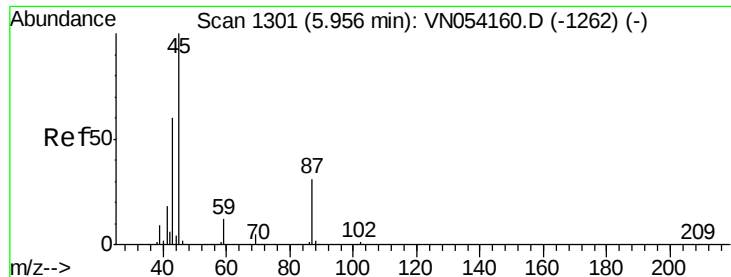
Tot Ion: 43 Resp: 40230
Ion Ratio Lower Upper
43 100
74 24.7 20.8 31.2



#20
Methylene Chloride
Concen: 0.506 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

Tgt Ion: 84 Resp: 9411
Ion Ratio Lower Upper
84 100
49 109.4 89.7 134.5
51 37.0 28.2 42.4
86 48.8 50.8 76.2#





#22

Diisopropyl ether

Concen: 0.337 ug/l

RT: 6.07 min Scan# 1335

Delta R.T. 0.11 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

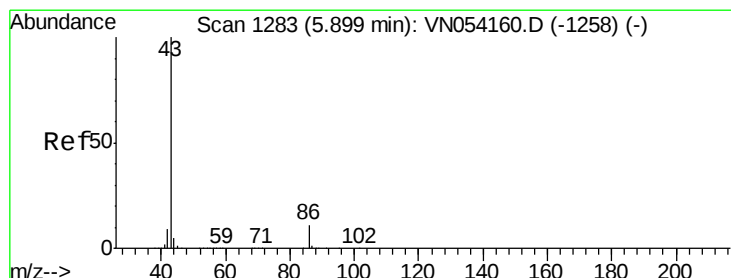
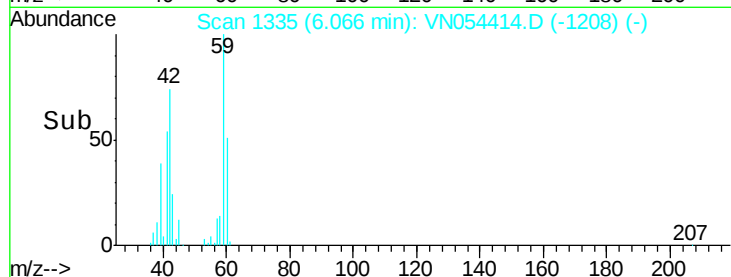
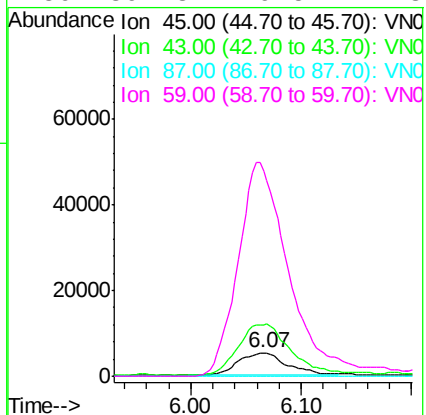
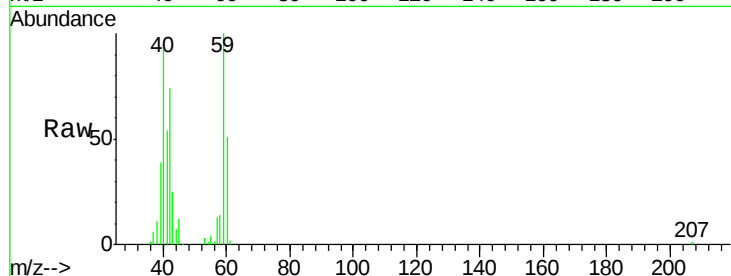
Instrument :

MSVOA_N

ClientSampleId :

30296-97-30304-05-06

Tot Ion:	45	Resp:	16723
Ion	Ratio	Lower	Upper
45	100		
43	219.0	48.2	72.2#
87	0.0	24.9	37.3#
59	894.3	9.5	14.3#



#23

Vinyl Acetate

Concen: 1.060 ug/l

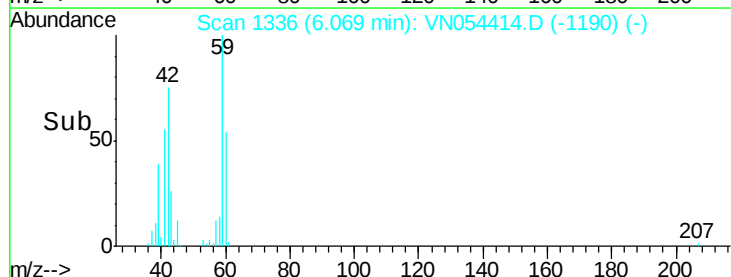
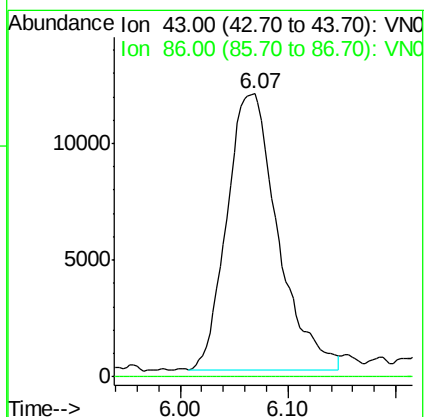
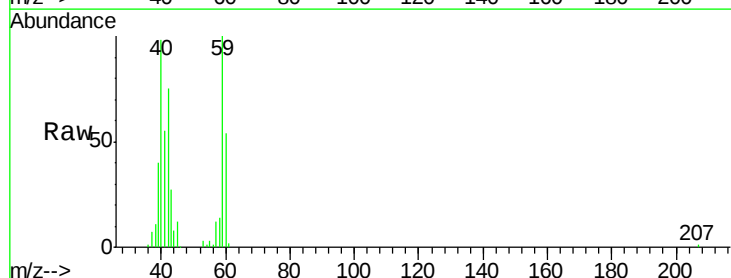
RT: 6.07 min Scan# 1336

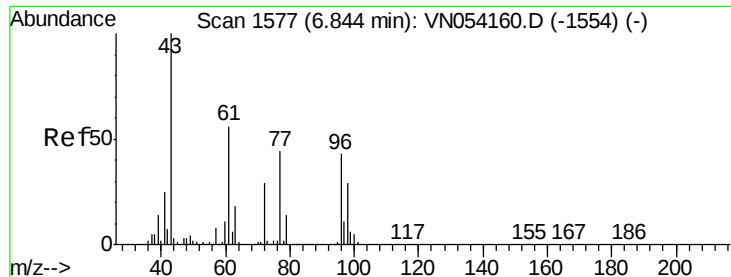
Delta R.T. 0.17 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Tgt Ion:	43	Resp:	38738
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#





#25

2-Butanone

Concen: 215.718 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.09 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

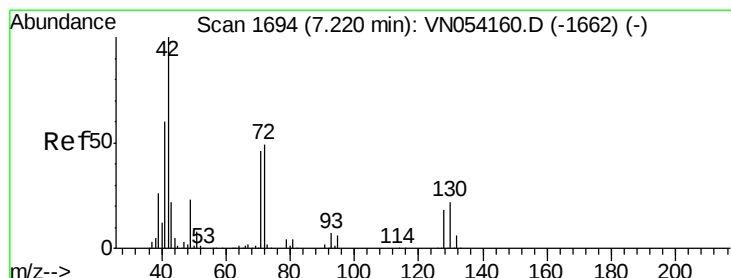
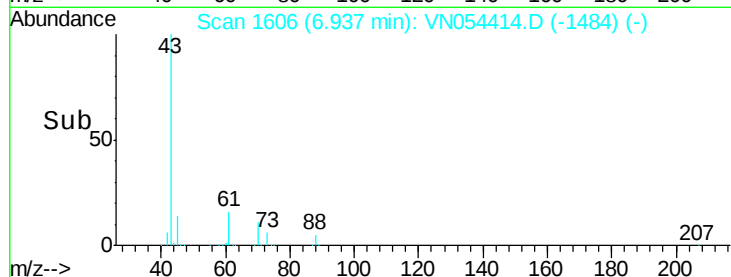
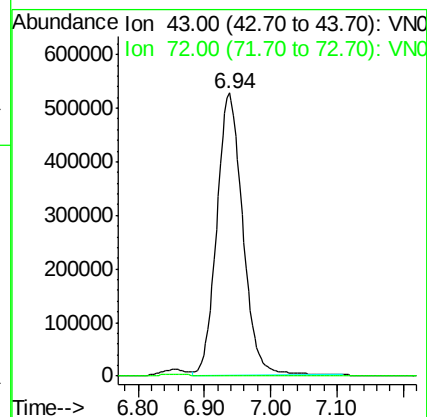
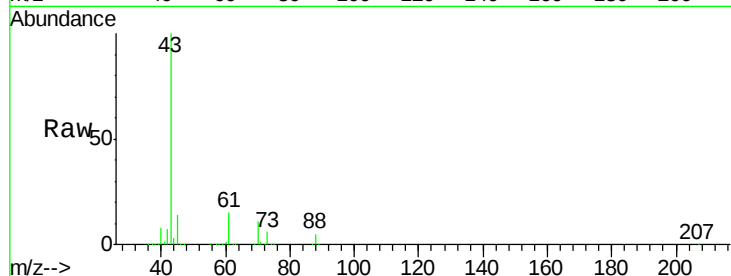
30296-97-30304-05-06

Tot Ion: 43 Resp: 1434662

Ion Ratio Lower Upper

43 100

72 0.1 23.0 34.6#



#29

Tetrahydrofuran

Concen: 1.032 ug/l

RT: 7.24 min Scan# 1701

Delta R.T. 0.02 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

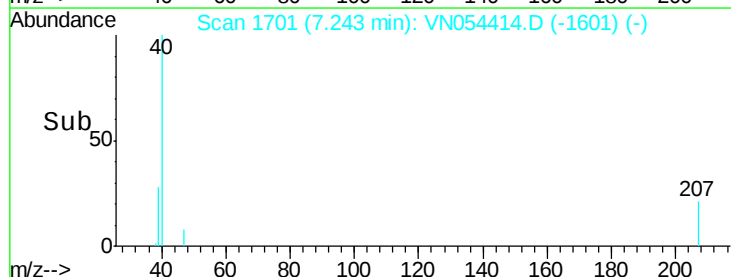
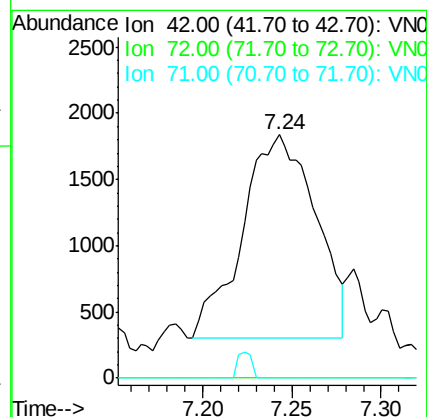
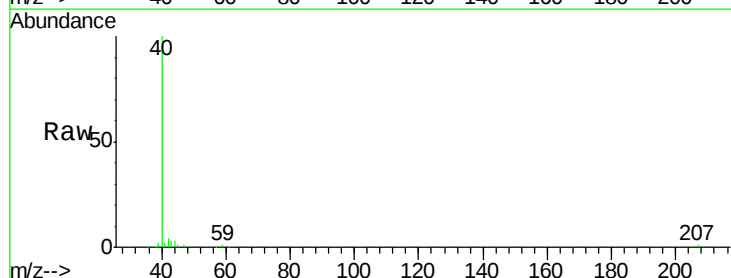
Tgt Ion: 42 Resp: 4414

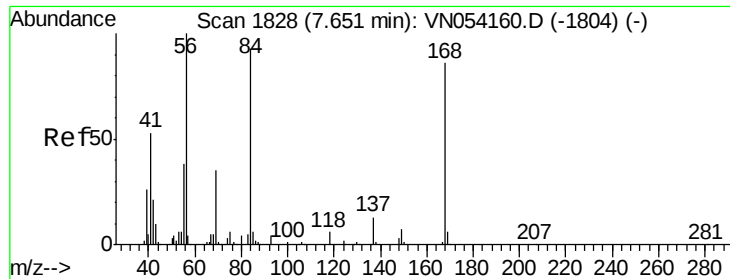
Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 2.4 36.2 54.2#

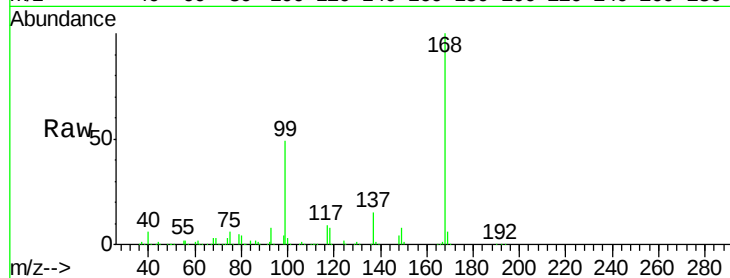




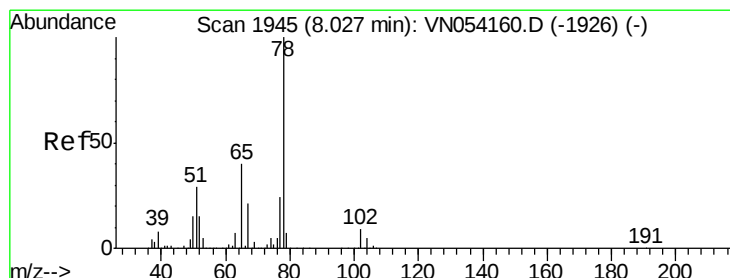
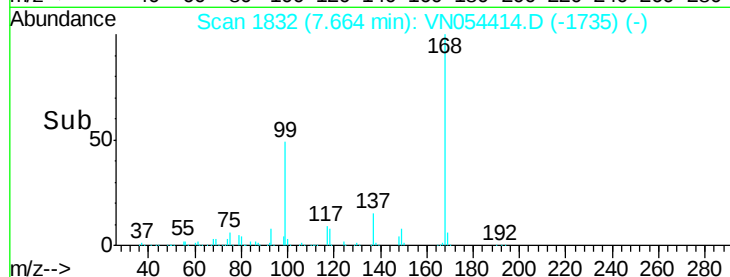
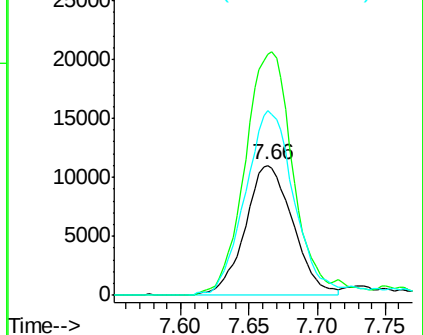
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

Instrument :
MSVOA_N
ClientSampleId :
30296-97-30304-05-06

Tot Ion: 56 Resp: 26899
Ion Ratio Lower Upper
56 100
69 185.2 27.8 41.6#
84 142.5 74.6 111.8#

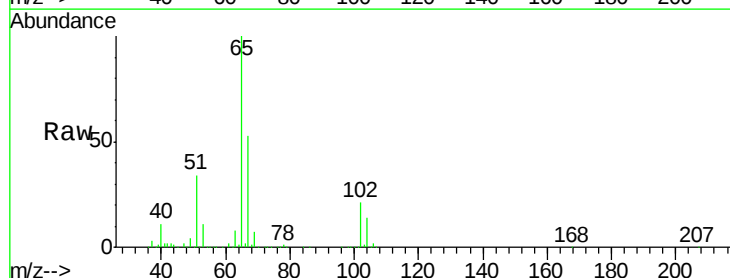


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

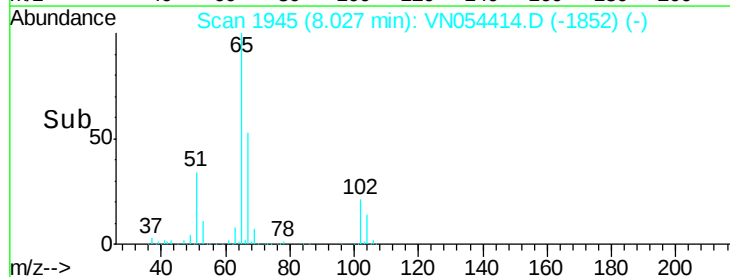
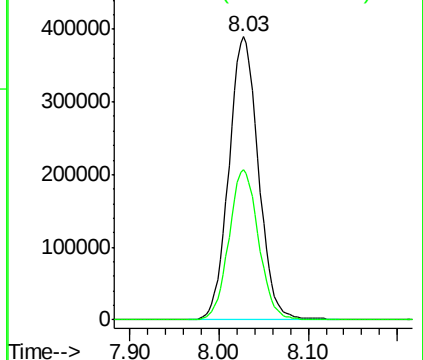


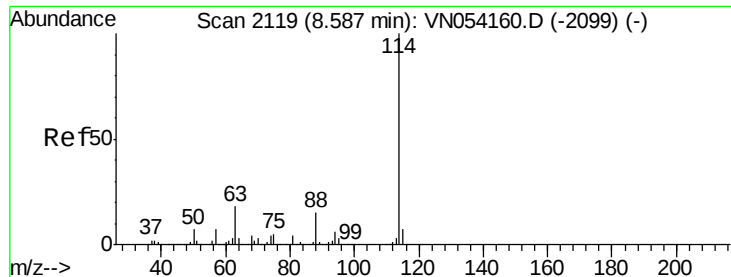
#33
1,2-Dichloroethane-d4
Concen: 45.231 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

Tgt Ion: 65 Resp: 895132
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO
Ion 66.90 (66.60 to 67.60): VNO



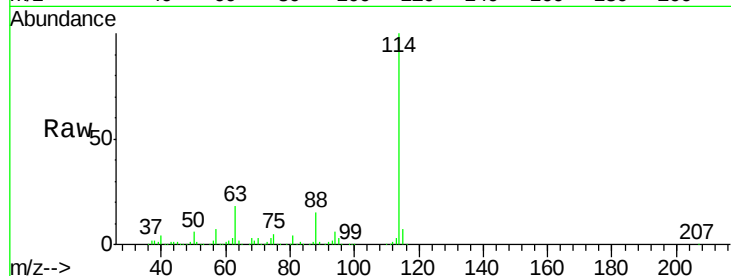


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

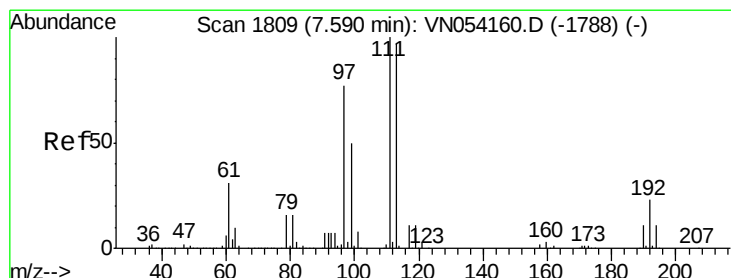
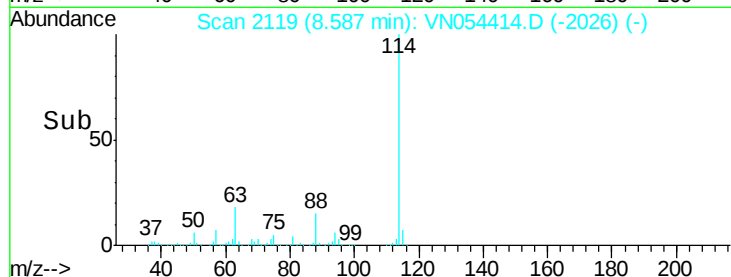
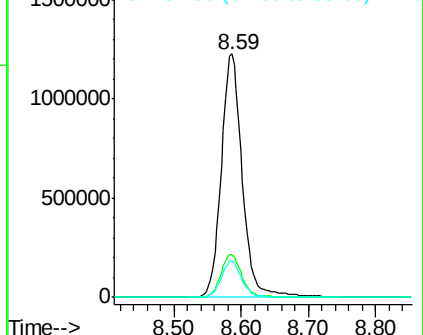
Instrument :
 MSVOA_N
 ClientSampleId :
 30296-97-30304-05-06

Tot Ion:114 Resp: 2674838

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	35.2
88	14.7	0.0	30.2



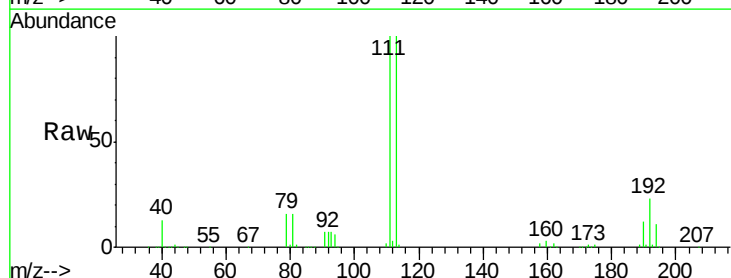
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



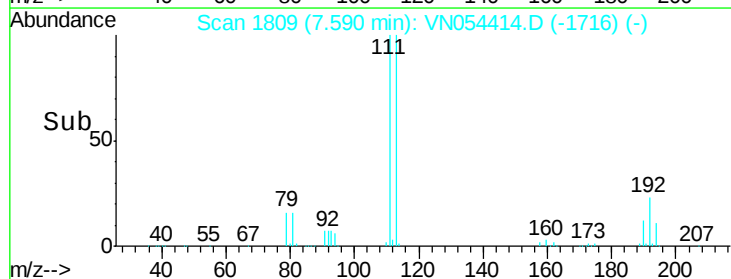
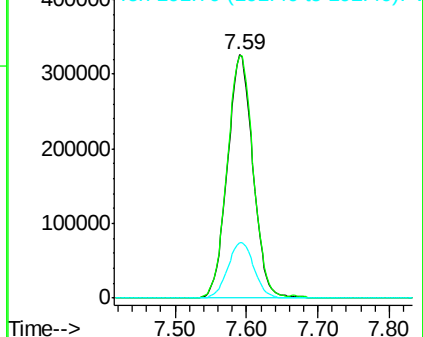
#35
 Dibromofluoromethane
 Concen: 47.295 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

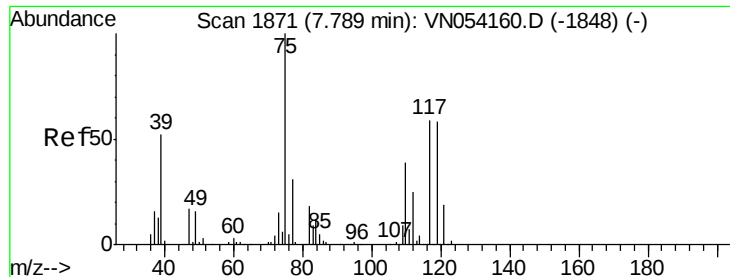
Tgt Ion:113 Resp: 815922

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	23.3	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: 4.335 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

30296-97-30304-05-06

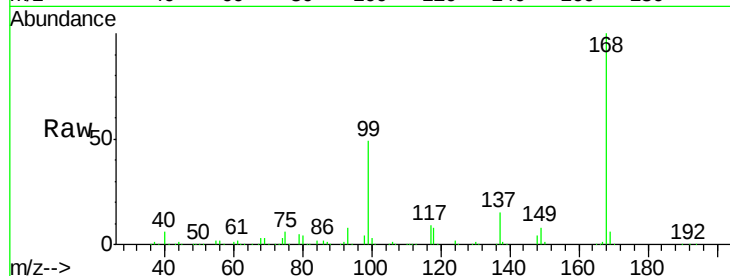
Tot Ion: 75 Resp: 106777

Ion Ratio Lower Upper

75 100

110 3.3 19.1 57.5#

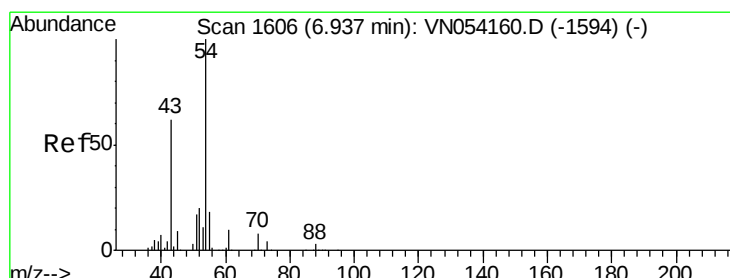
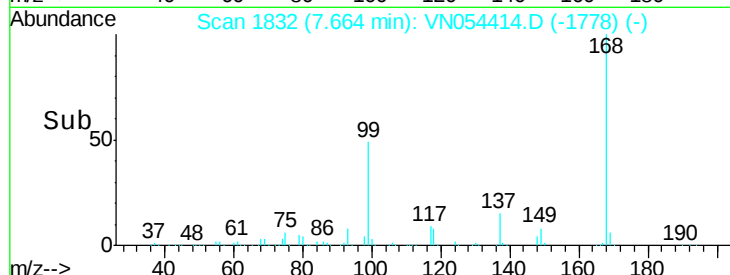
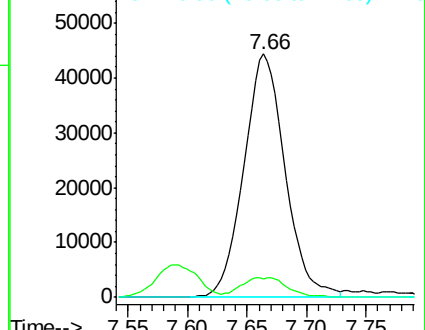
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 101.362 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

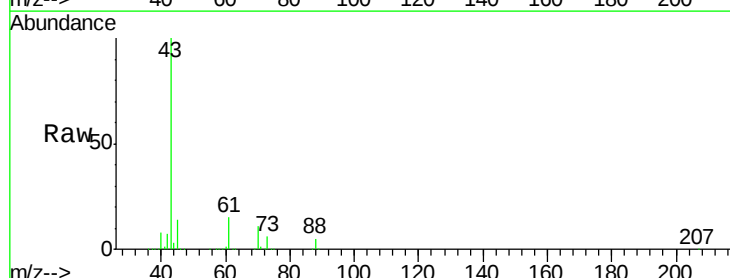
Tgt Ion: 43 Resp: 1434662

Ion Ratio Lower Upper

43 100

61 15.6 11.8 17.6

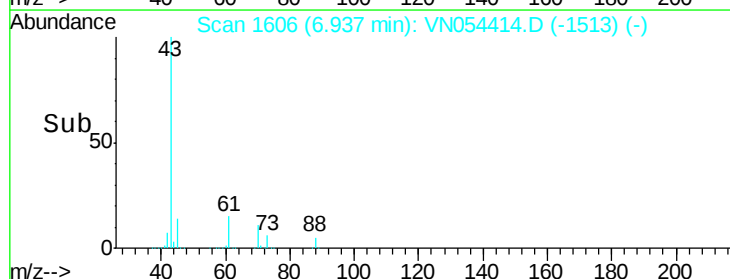
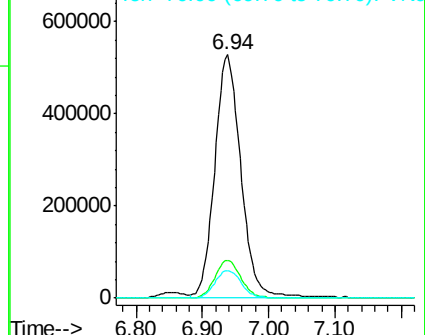
70 11.7 8.4 12.6

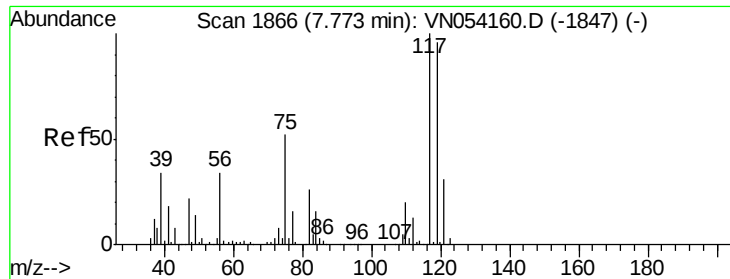


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.983 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

30296-97-30304-05-06

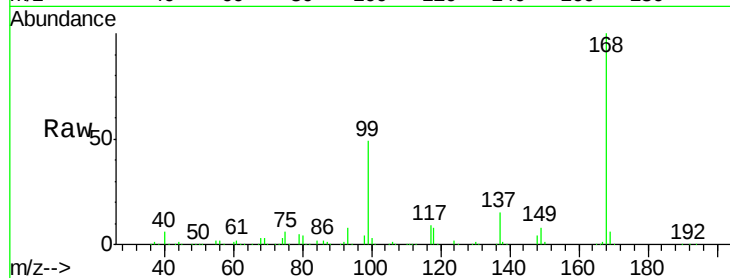
Tot Ion:117 Resp: 154551

Ion Ratio Lower Upper

117 100

119 4.2 76.3 114.5#

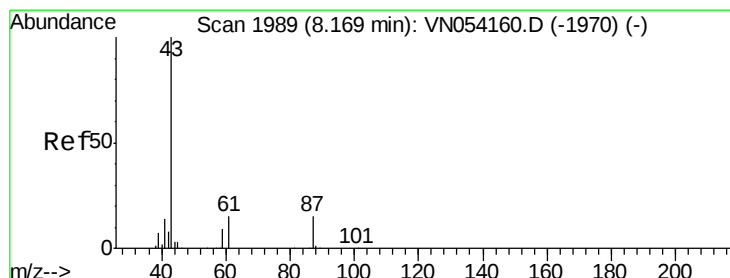
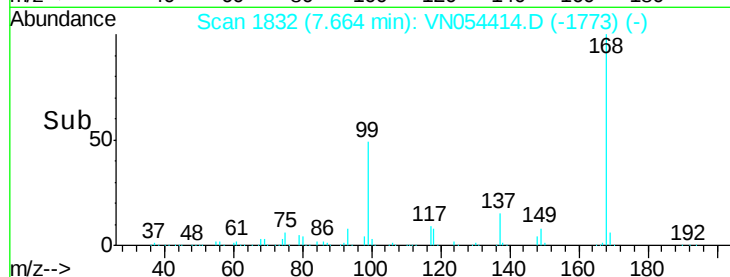
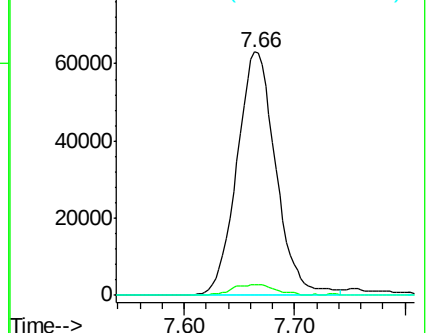
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 28.833 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

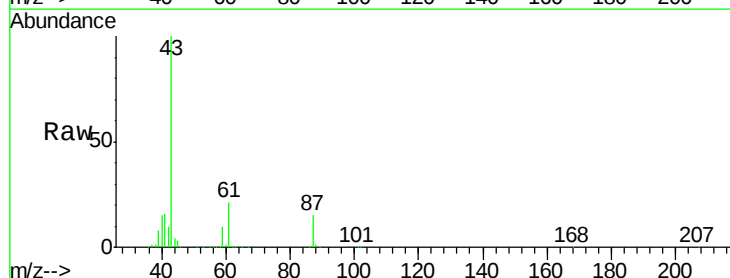
Tgt Ion: 43 Resp: 716314

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

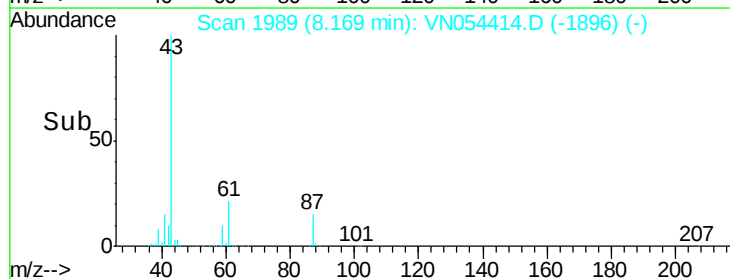
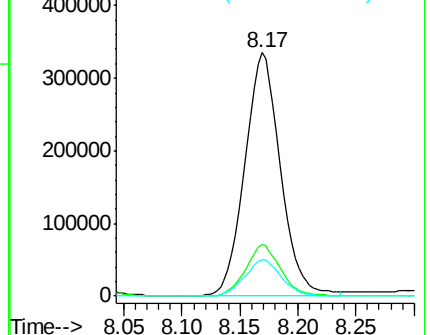
87 15.5 12.0 18.0

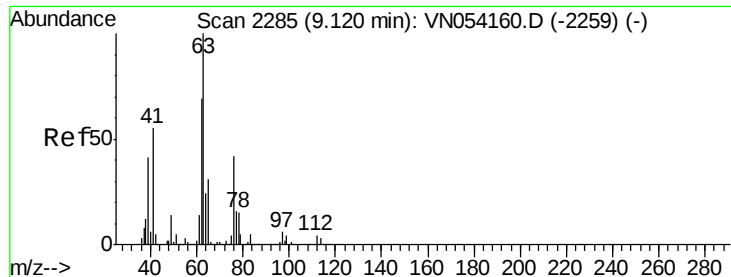


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 4.267 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

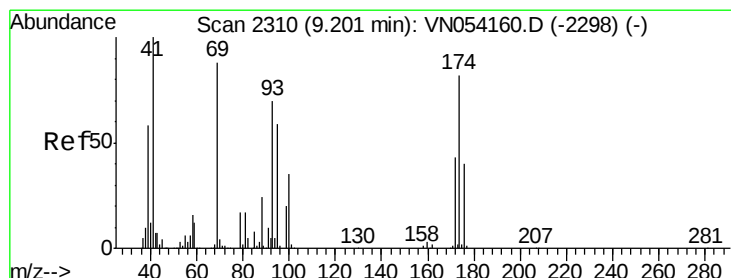
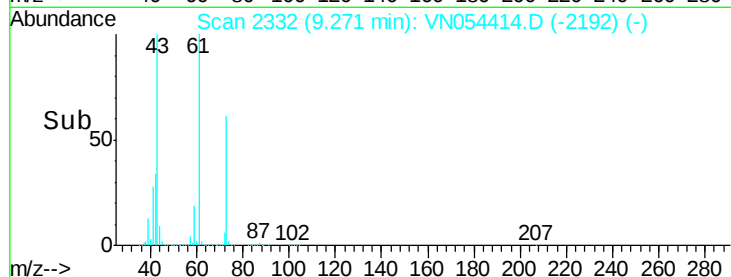
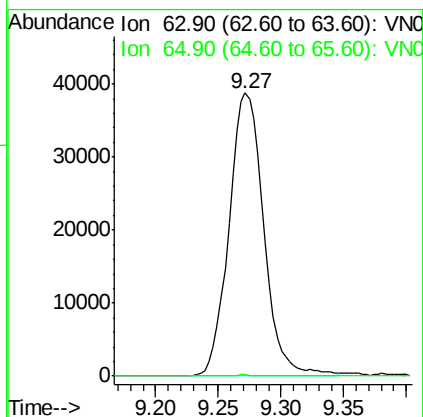
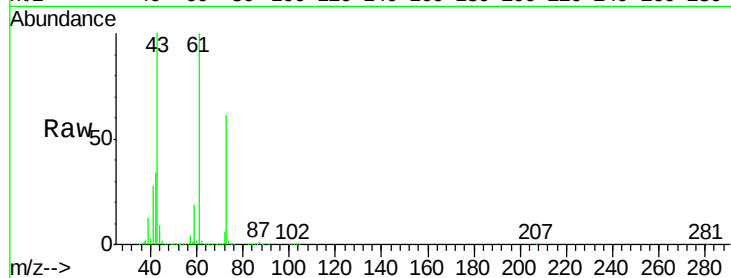
30296-97-30304-05-06

Tot Ion: 63 Resp: 74681

Ion Ratio Lower Upper

63 100

65 0.5 25.0 37.6#



#48

Methyl methacrylate

Concen: 368.733 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

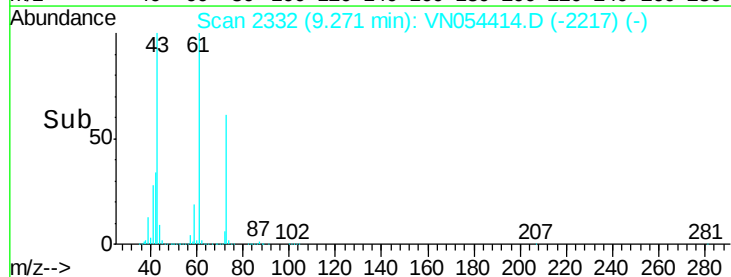
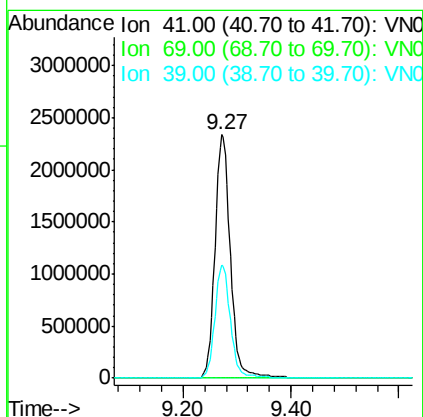
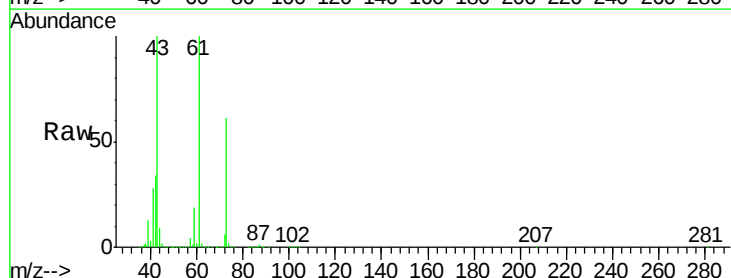
Tgt Ion: 41 Resp: 4648928

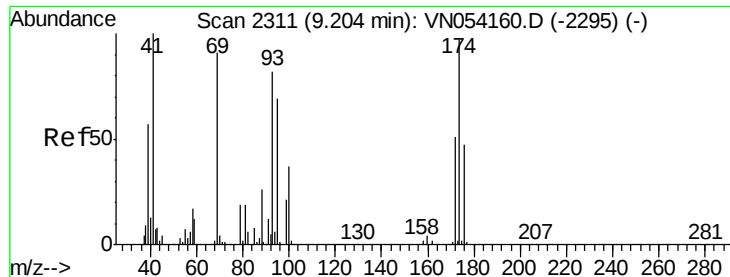
Ion Ratio Lower Upper

41 100

69 0.2 72.6 108.8#

39 47.2 47.5 71.3#

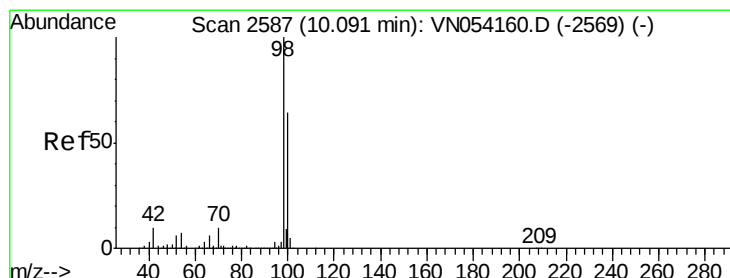
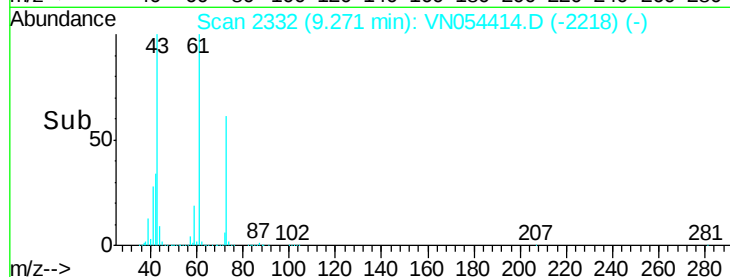
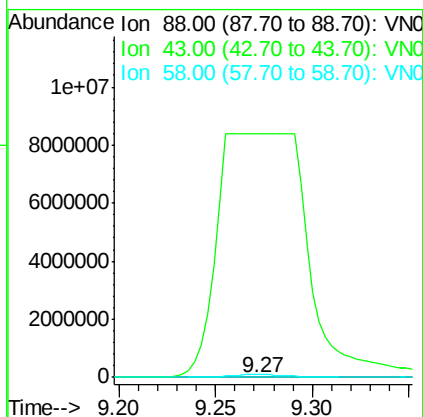
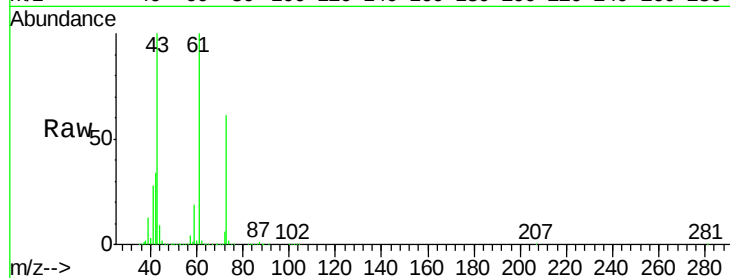




#49
 1,4-Dioxane
 Concen: 56.674 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.07 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

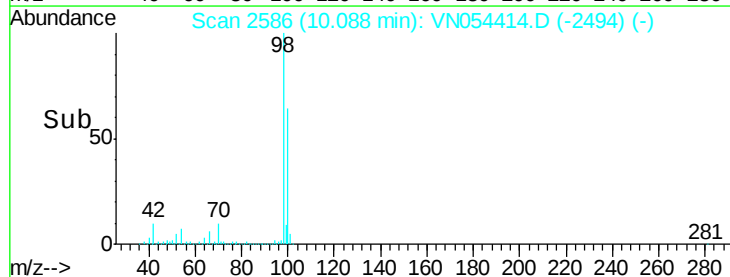
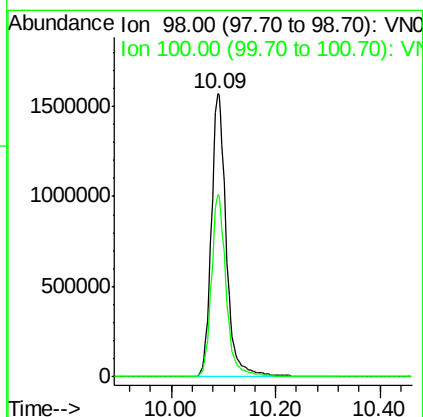
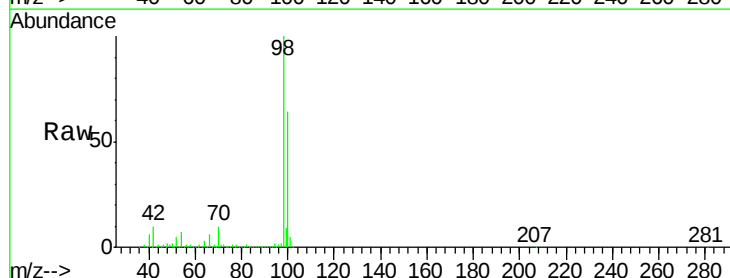
Instrument :
 MSVOA_N
 ClientSampleId :
 30296-97-30304-05-06

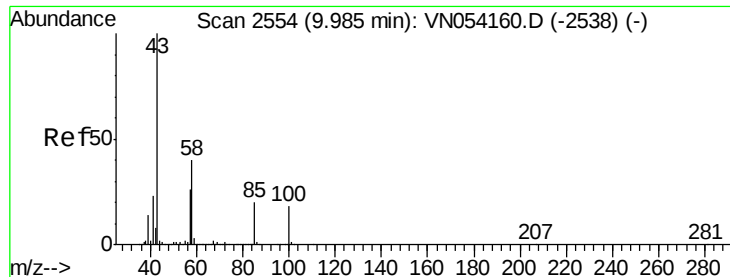
Tot Ion: 88 Resp: 10107
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.1 36.1#
 58 2023.7 50.8 76.2#



#50
 Toluene-d8
 Concen: 49.490 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

Tgt Ion: 98 Resp: 3153143
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.077 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

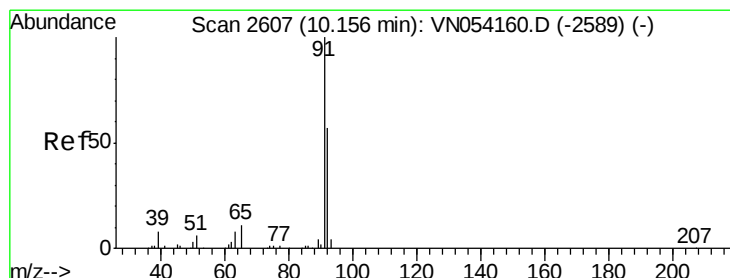
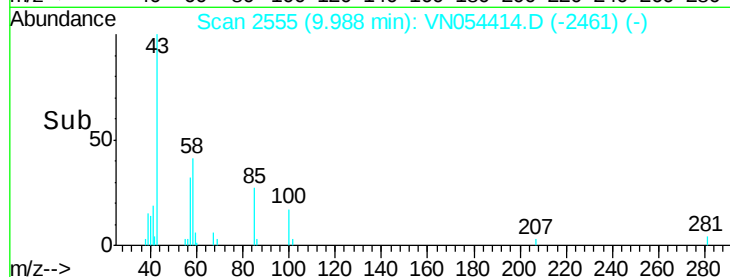
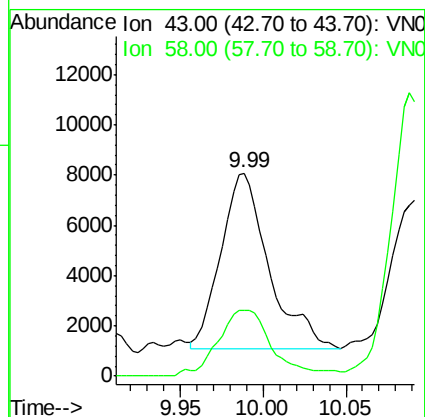
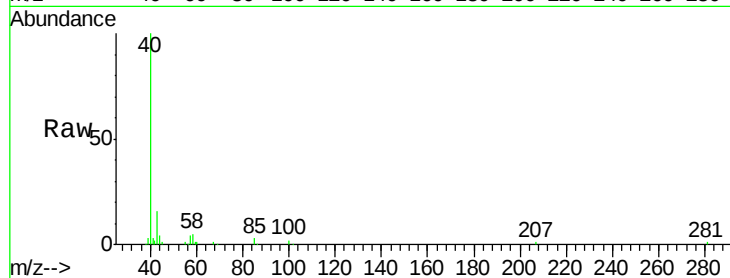
30296-97-30304-05-06

Tot Ion: 43 Resp: 14163

Ion Ratio Lower Upper

43 100

58 42.2 31.8 47.6



#52

Toluene

Concen: 13.176 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054414.D

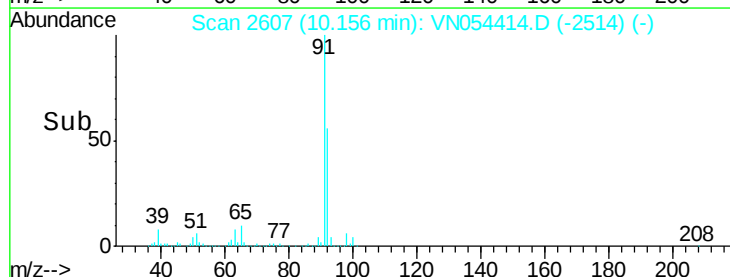
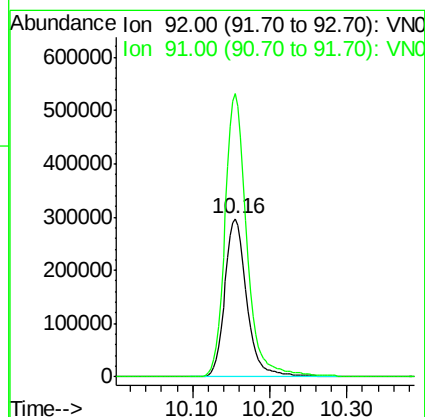
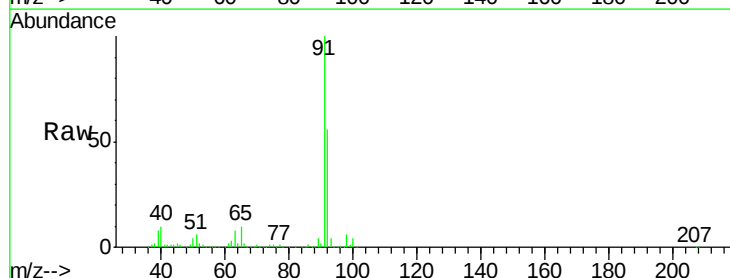
Acq: 19 Mar 2019 1:23

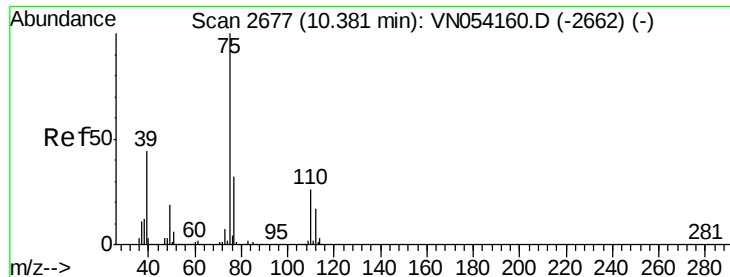
Tgt Ion: 92 Resp: 588911

Ion Ratio Lower Upper

92 100

91 178.0 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 2.227 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

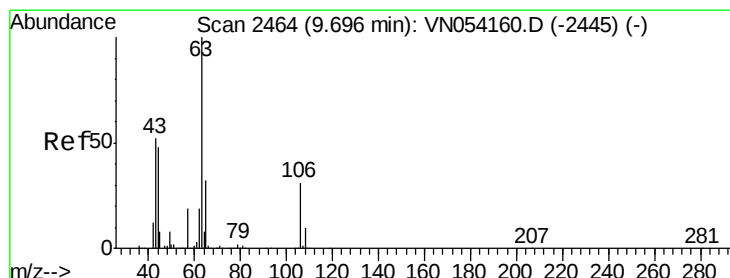
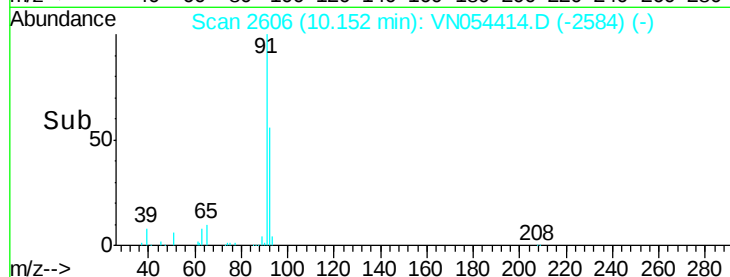
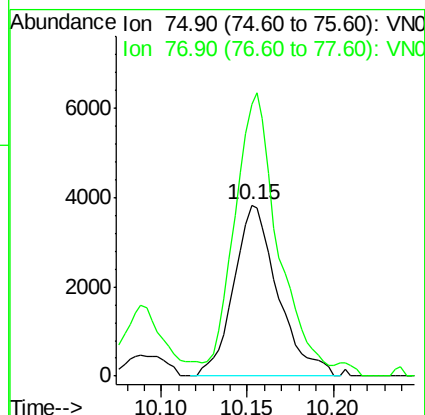
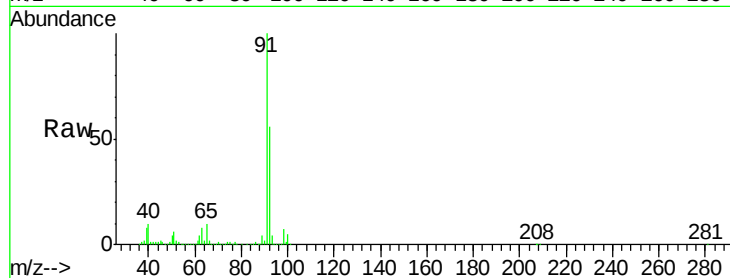
30296-97-30304-05-06

Tot Ion: 75 Resp: 6818

Ion Ratio Lower Upper

75 100

77 151.6 25.8 38.8#



#58

2-Chloroethyl Vinyl ether

Concen: 16.839 ug/l

RT: 9.52 min Scan# 2410

Delta R.T. -0.17 min

Lab File: VN054414.D

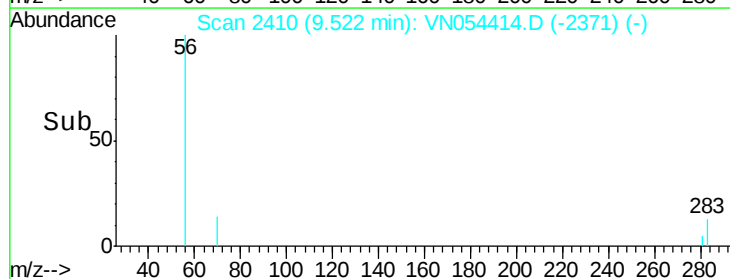
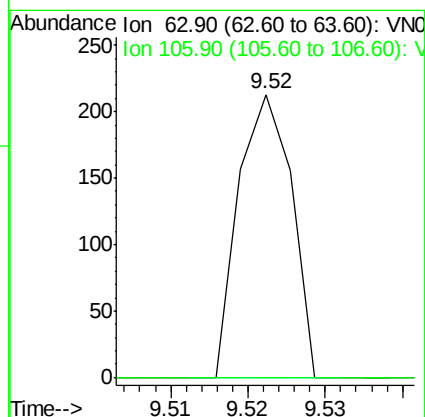
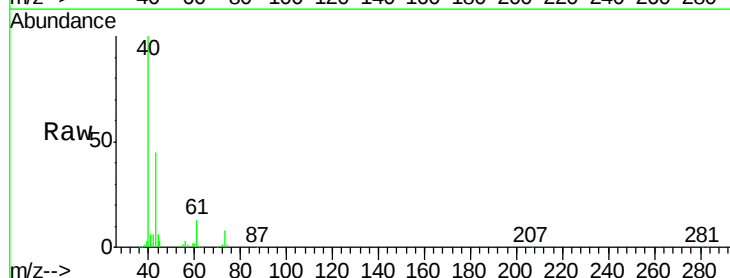
Acq: 19 Mar 2019 1:23

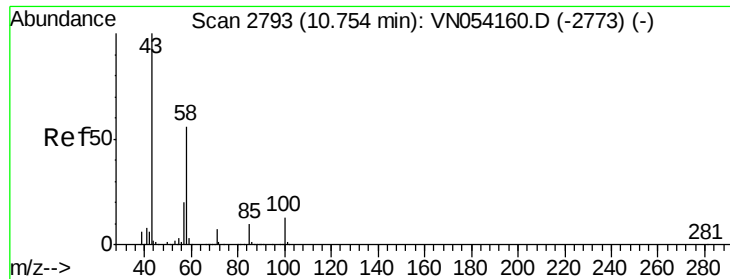
Tgt Ion: 63 Resp: 102

Ion Ratio Lower Upper

63 100

106 0.0 24.4 36.6#

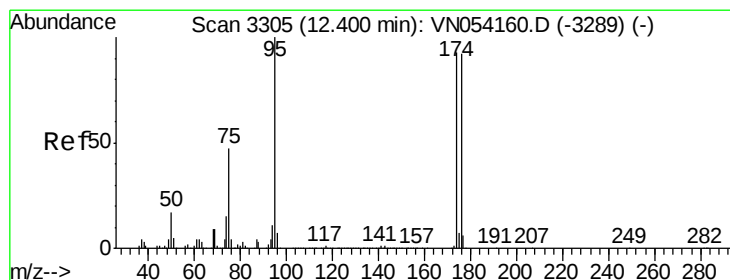
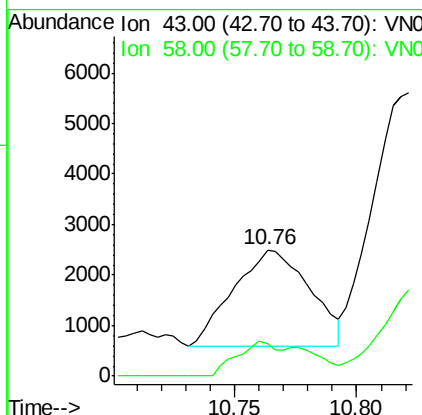
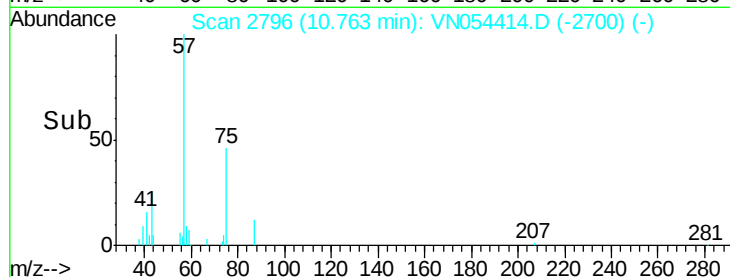
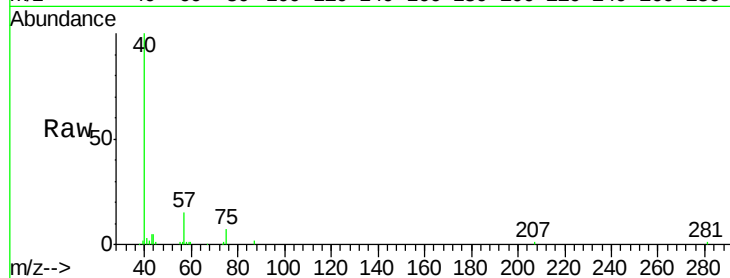




#59
2-Hexanone
Concen: 0.474 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

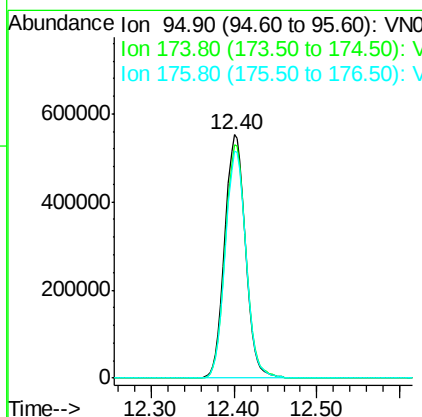
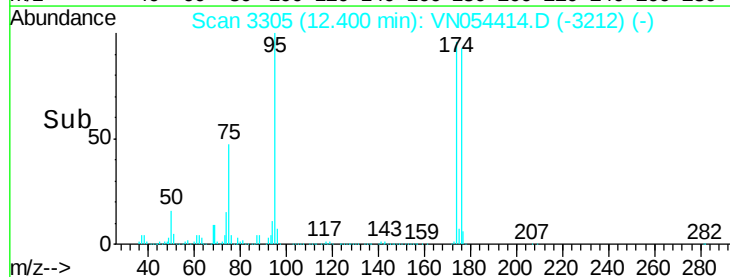
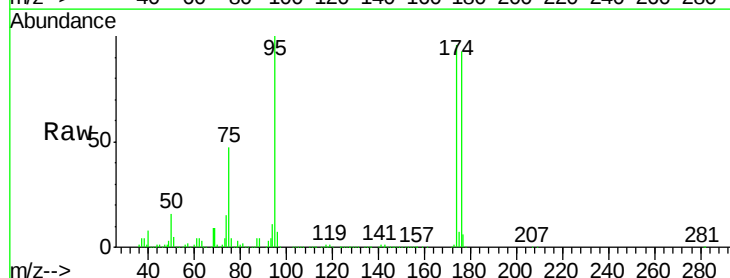
Instrument :
MSVOA_N
ClientSampleId :
30296-97-30304-05-06

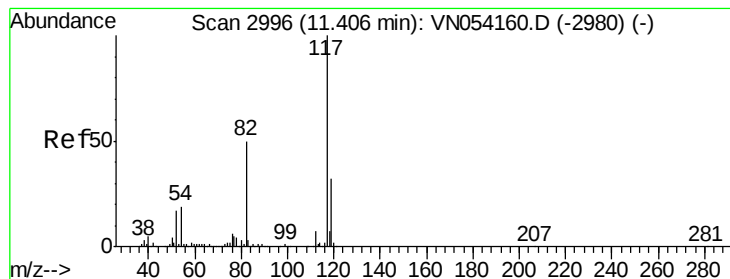
Tot Ion: 43 Resp: 4144
Ion Ratio Lower Upper
43 100
58 20.1 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 42.980 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

Tgt Ion: 95 Resp: 958162
Ion Ratio Lower Upper
95 100
174 95.7 0.0 191.0
176 93.7 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: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

30296-97-30304-05-06

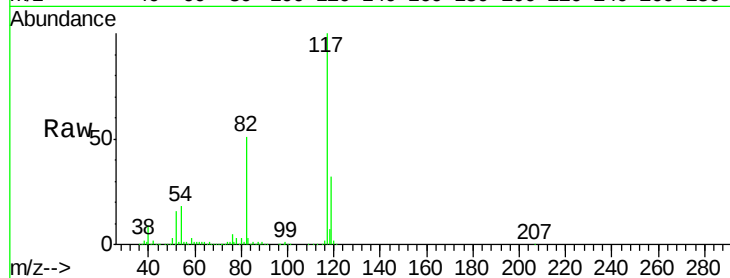
Tot Ion:117 Resp: 2279622

Ion Ratio Lower Upper

117 100

82 50.5 40.0 60.0

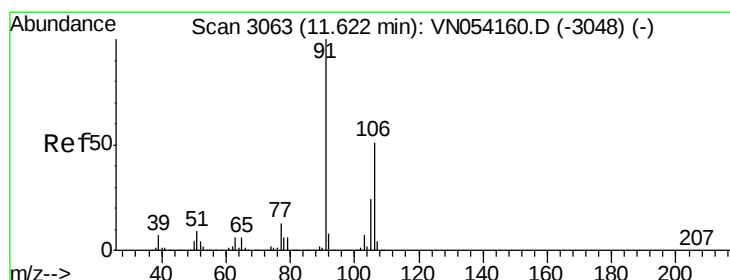
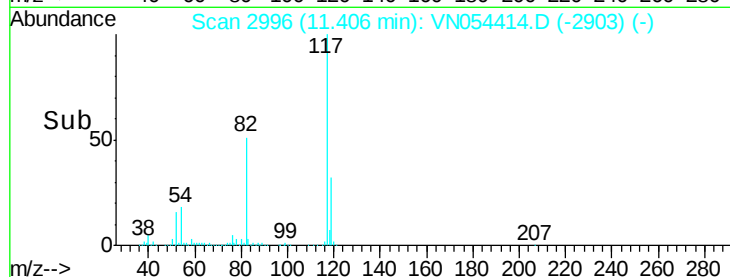
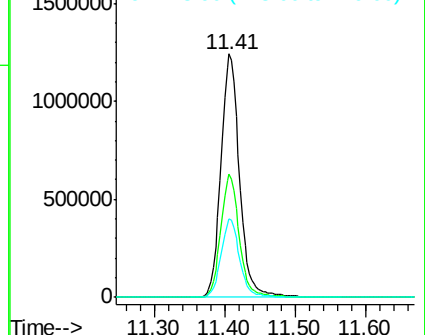
119 32.1 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 0.715 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN054414.D

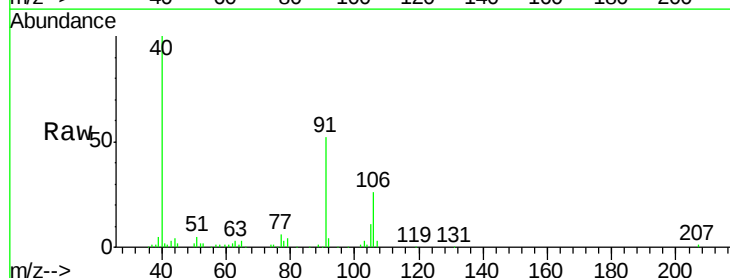
Acq: 19 Mar 2019 1:23

Tgt Ion:106 Resp: 23194

Ion Ratio Lower Upper

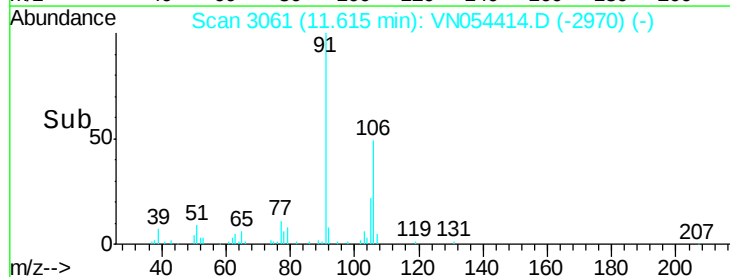
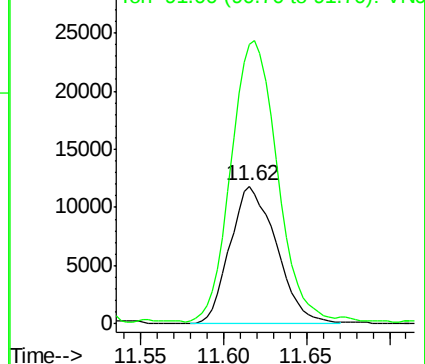
106 100

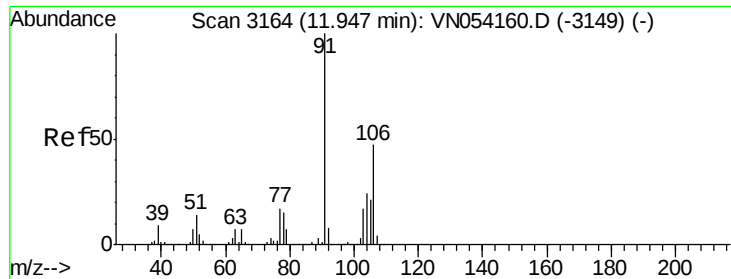
91 202.0 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

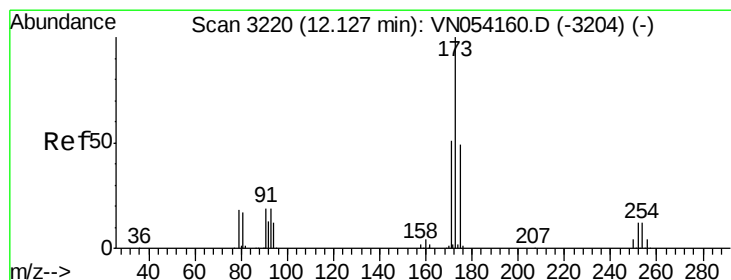
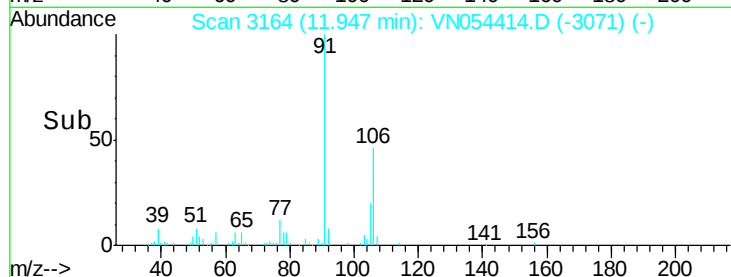
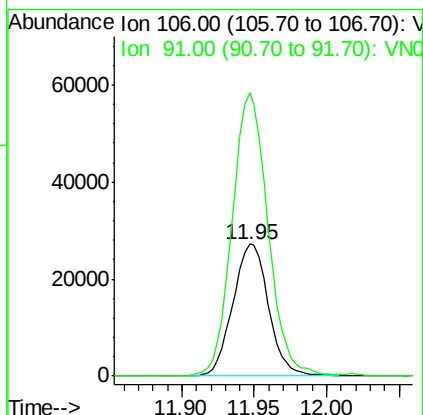
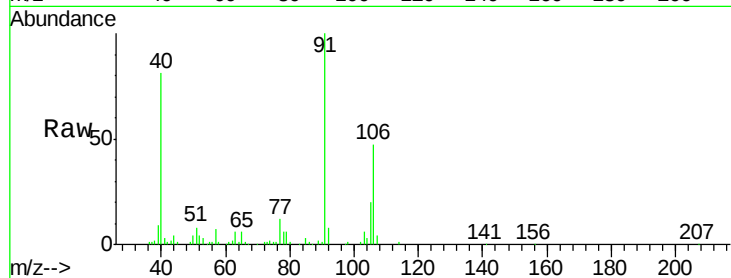




#69
o-Xylene
Concen: 1.476 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

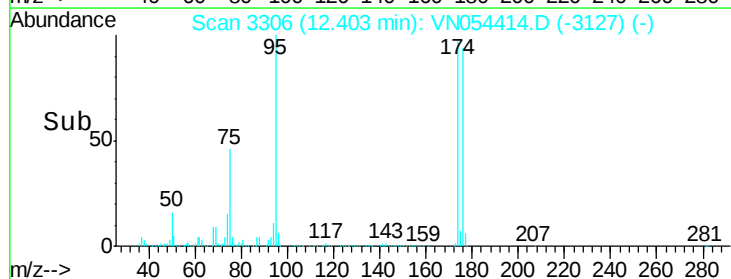
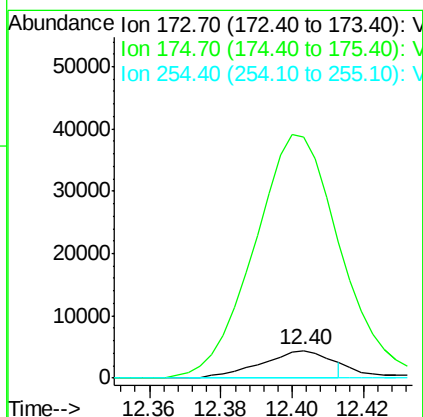
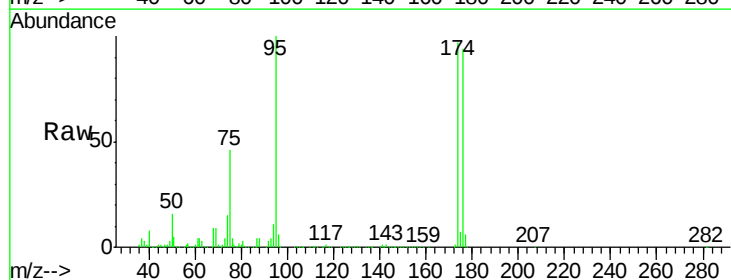
Instrument :
MSVOA_N
ClientSampleId :
30296-97-30304-05-06

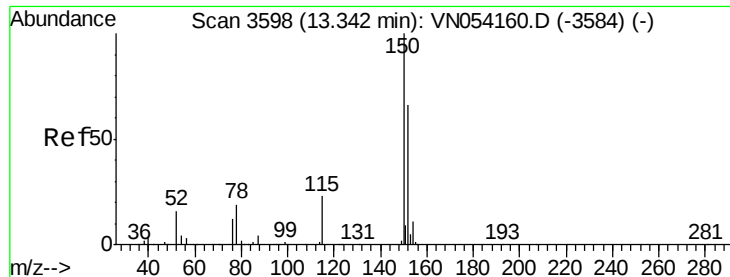
Tot Ion:106 Resp: 46677
Ion Ratio Lower Upper
106 100
91 214.6 105.7 317.1



#71
Bromoform
Concen: 2.753 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

Tgt Ion:173 Resp: 5847
Ion Ratio Lower Upper
173 100
175 973.1 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

30296-97-30304-05-06

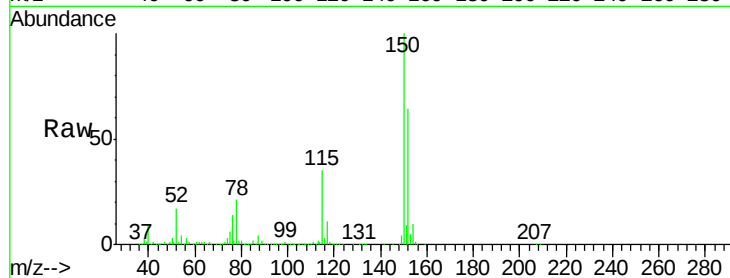
Tot Ion:152 Resp: 897684

Ion Ratio Lower Upper

152 100

115 55.8 27.2 81.6

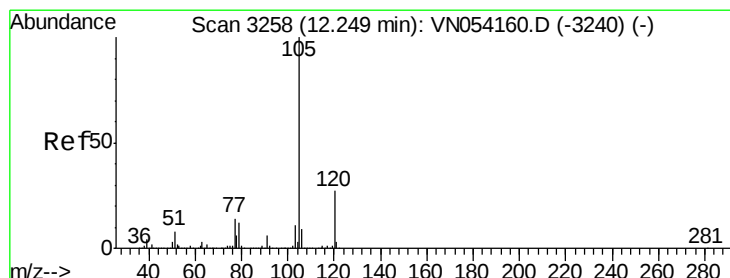
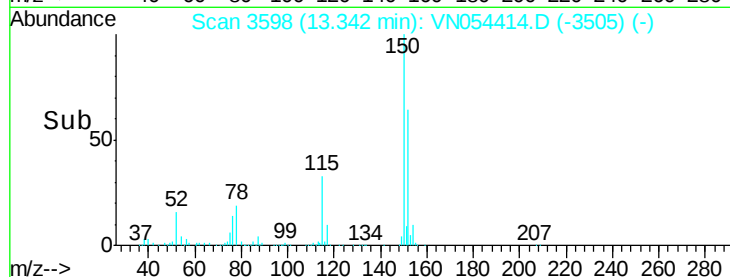
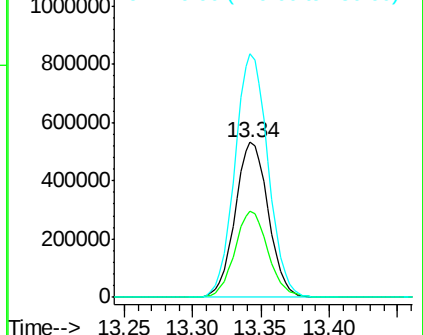
150 157.3 0.0 349.2



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: 0.250 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054414.D

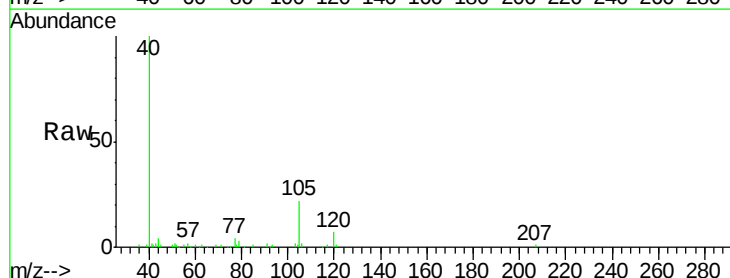
Acq: 19 Mar 2019 1:23

Tgt Ion:105 Resp: 17952

Ion Ratio Lower Upper

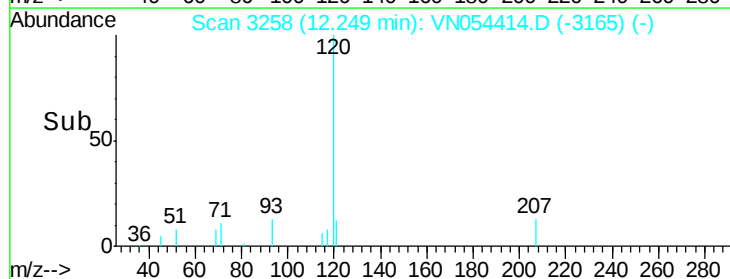
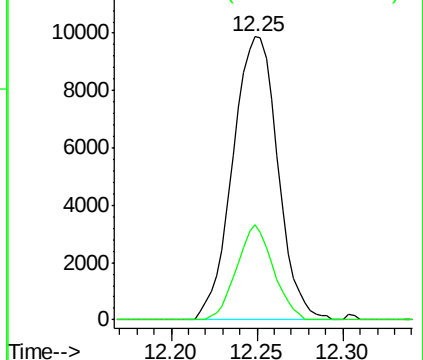
105 100

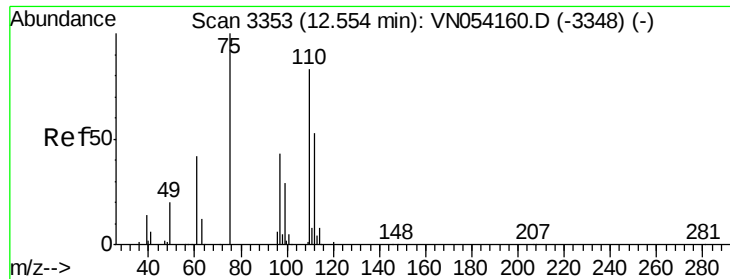
120 27.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 33.784 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

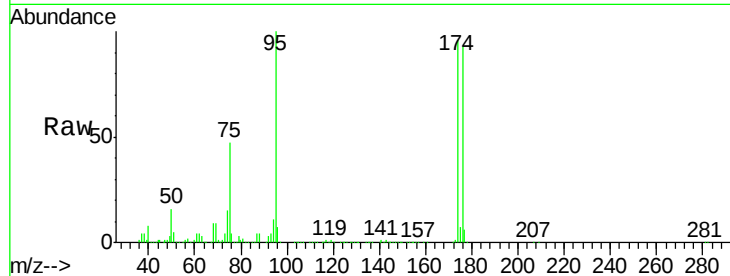
30296-97-30304-05-06

Tot Ion: 75 Resp: 445976

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

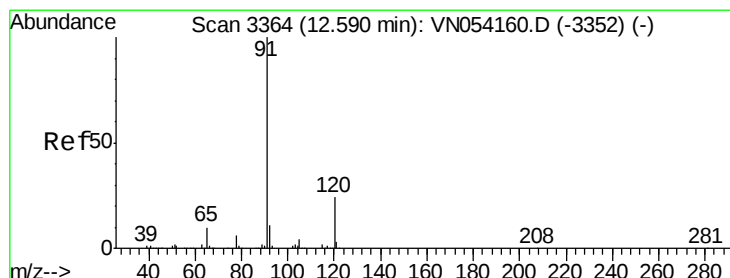
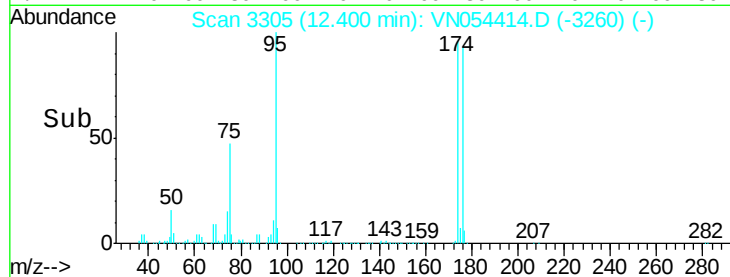
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.884 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054414.D

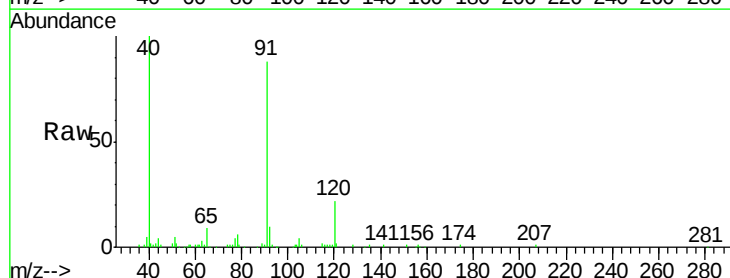
Acq: 19 Mar 2019 1:23

Tgt Ion: 91 Resp: 68880

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

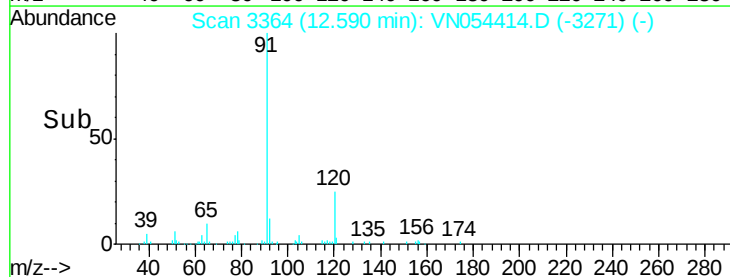
60000

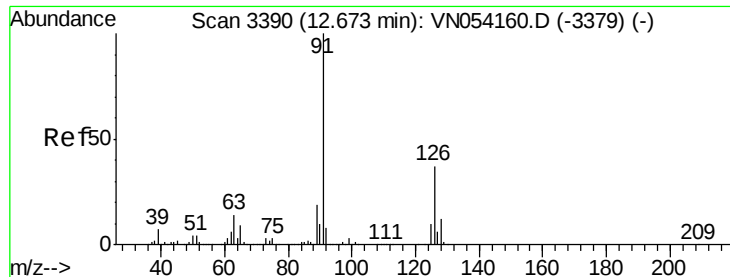
40000

20000

0

Time--> 12.50 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 1.023 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

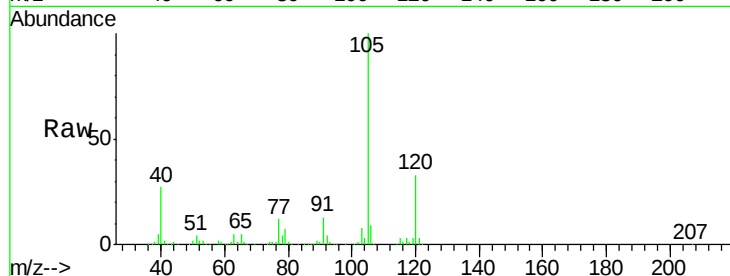
30296-97-30304-05-06

Tot Ion: 91 Resp: 47952

Ion Ratio Lower Upper

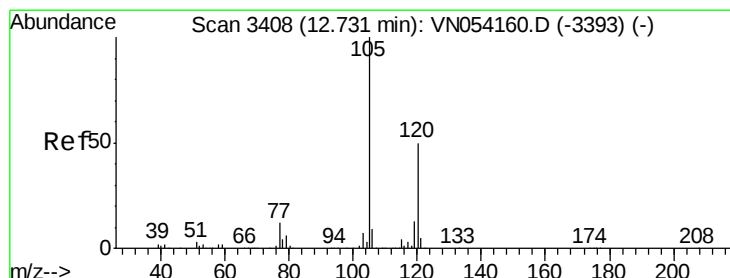
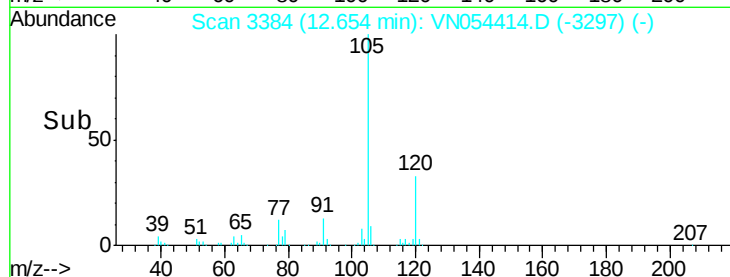
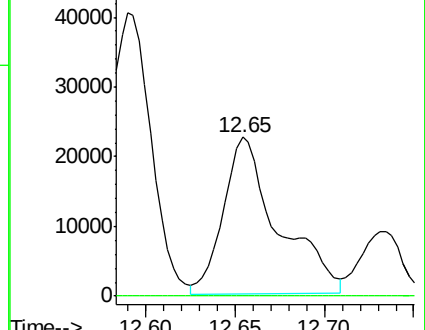
91 100

126 0.0 18.7 56.1#



Abundance Ion 91.00 (90.70 to 91.70): VN054414.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054414.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.469 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054414.D

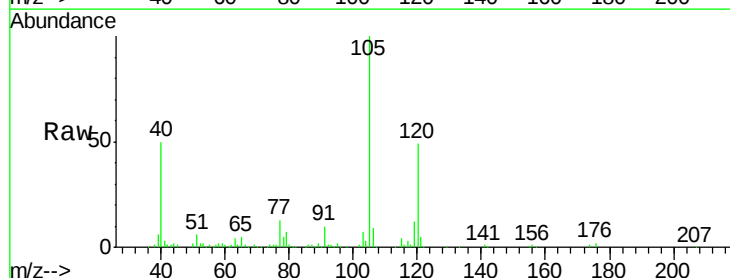
Acq: 19 Mar 2019 1:23

Tgt Ion: 105 Resp: 147519

Ion Ratio Lower Upper

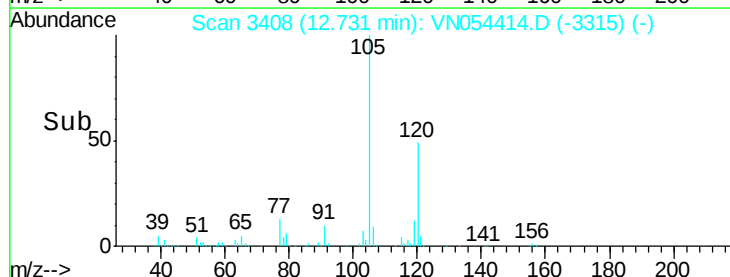
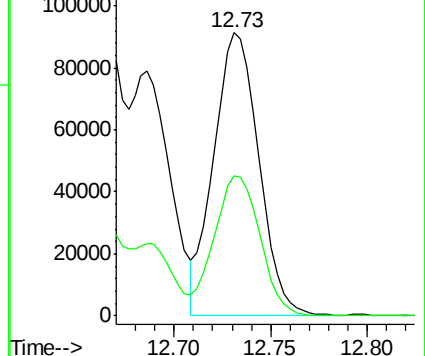
105 100

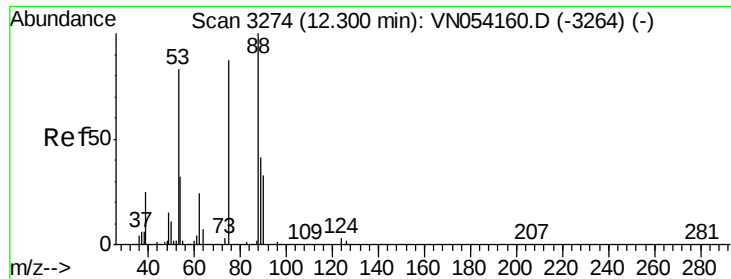
120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054414.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054414.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 115.488 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

30296-97-30304-05-06

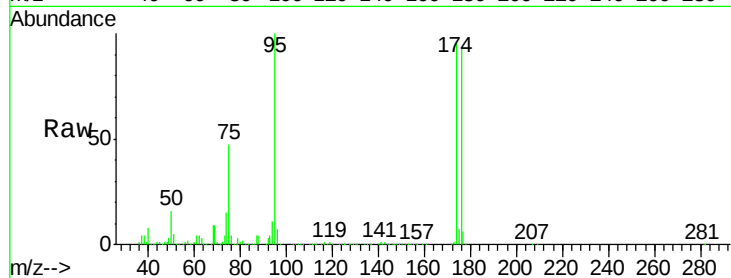
Tot Ion: 75 Resp: 445976

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

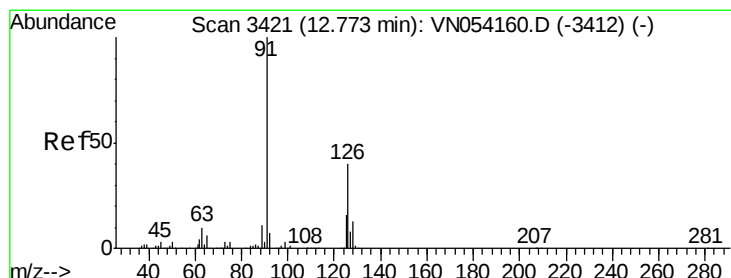
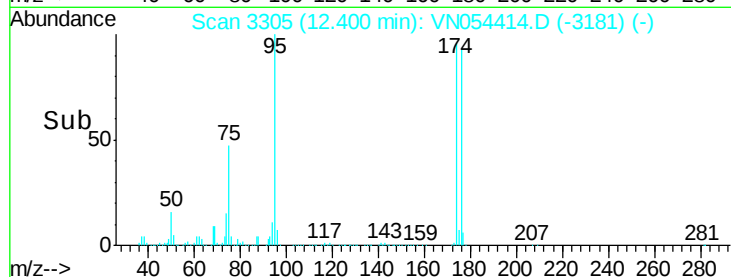
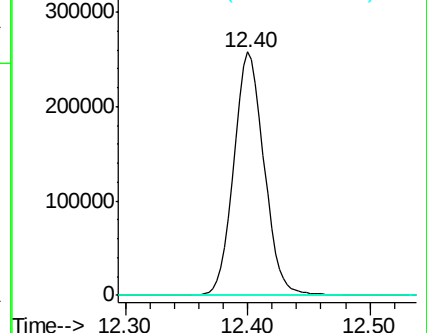
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.293 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN054414.D

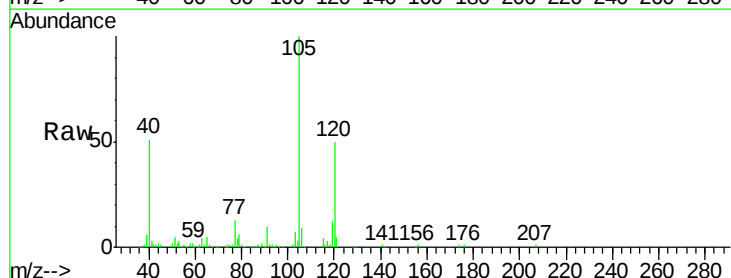
Acq: 19 Mar 2019 1:23

Tgt Ion: 91 Resp: 13709

Ion Ratio Lower Upper

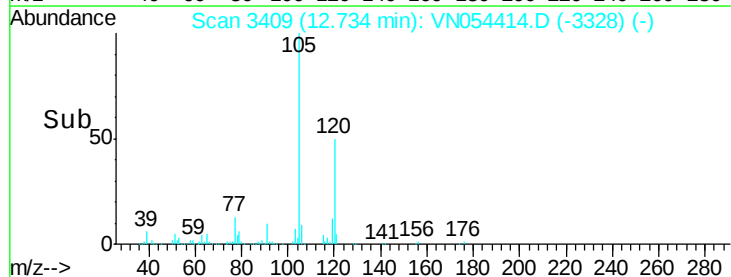
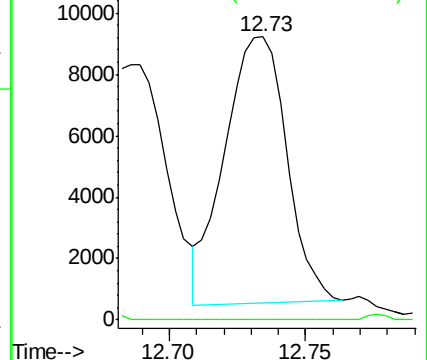
91 100

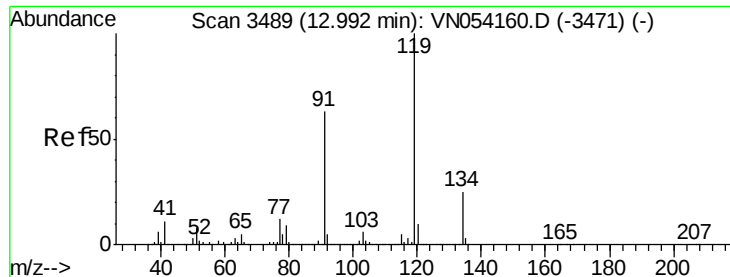
126 0.0 18.1 54.1#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

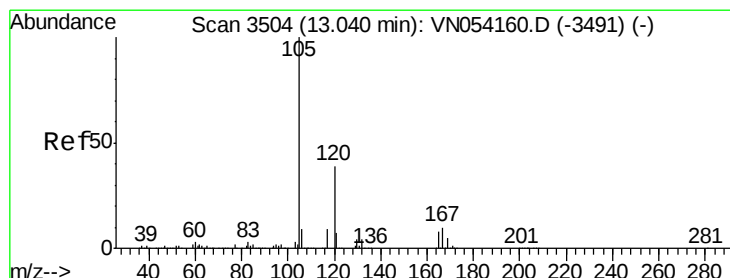
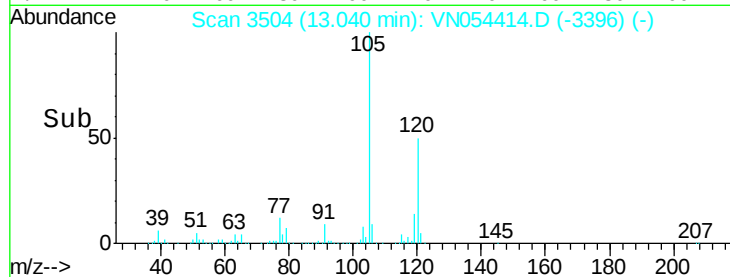
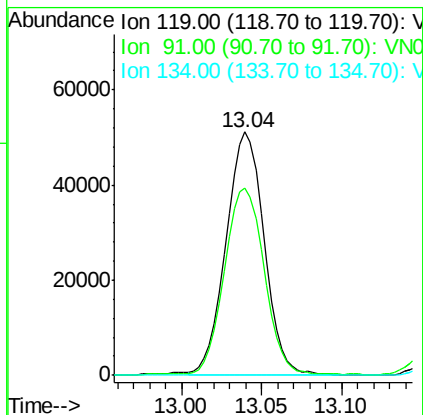
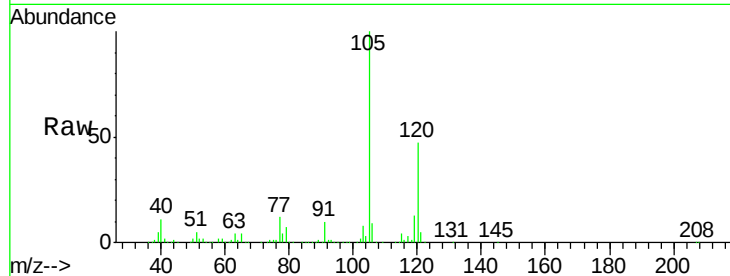




#83
tert-Butylbenzene
Concen: 1.516 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

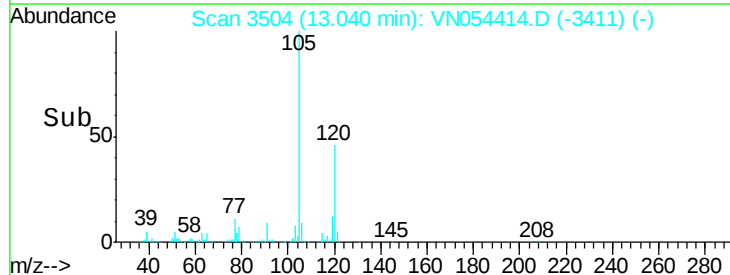
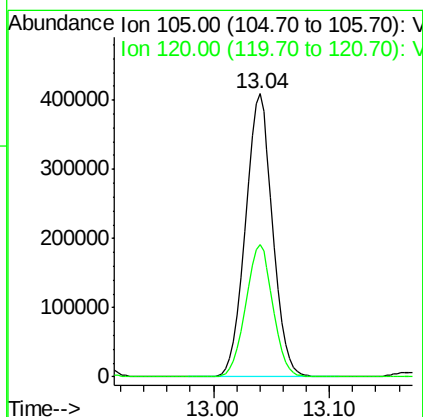
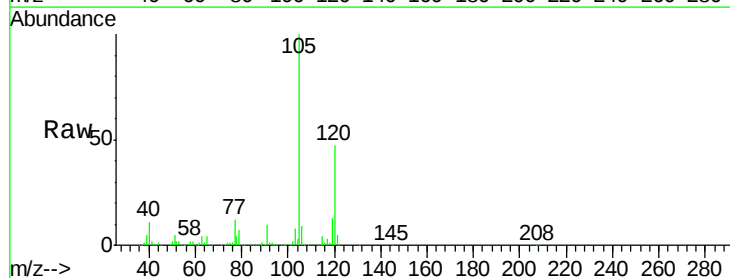
Instrument :
MSVOA_N
ClientSampleId :
30296-97-30304-05-06

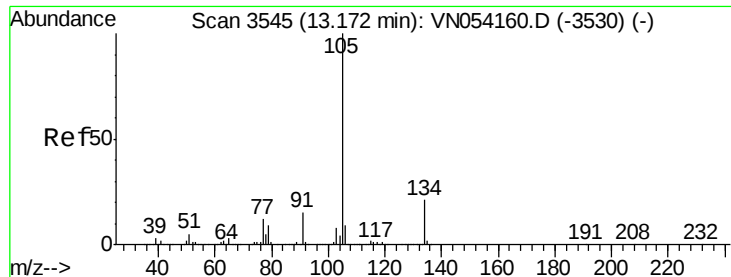
Tot Ion:119 Resp: 83375
Ion Ratio Lower Upper
119 100
91 79.5 30.9 92.8
134 0.0 13.2 39.6#



#84
1,2,4-Trimethylbenzene
Concen: 11.385 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054414.D
Acq: 19 Mar 2019 1:23

Tgt Ion:105 Resp: 667218
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.3





#85

sec-Butylbenzene

Concen: 9.357 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

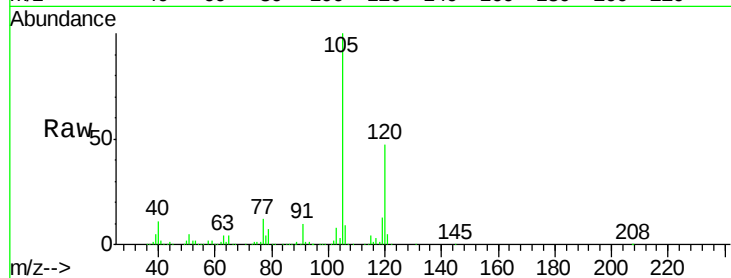
30296-97-30304-05-06

Tot Ion:105 Resp: 667218

Ion Ratio Lower Upper

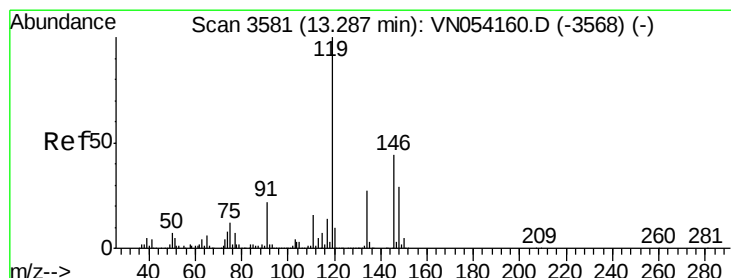
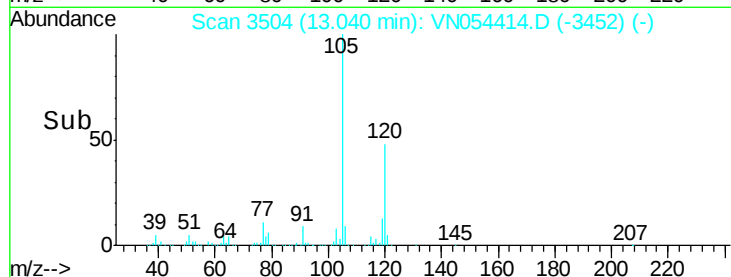
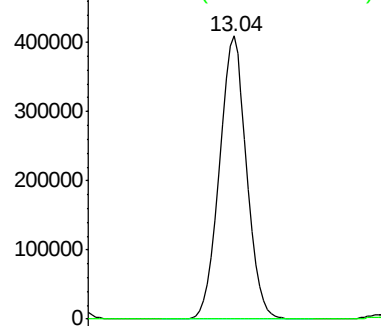
105 100

134 0.0 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: 0.227 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

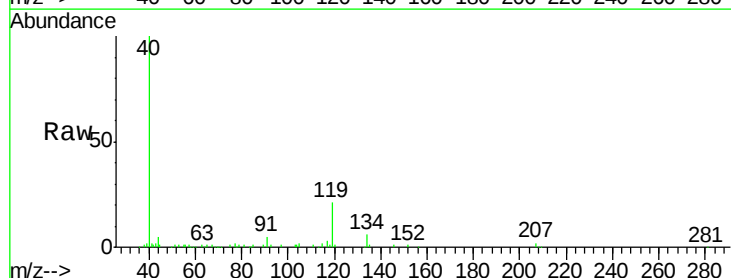
Tgt Ion:119 Resp: 14171

Ion Ratio Lower Upper

119 100

134 28.6 13.6 40.8

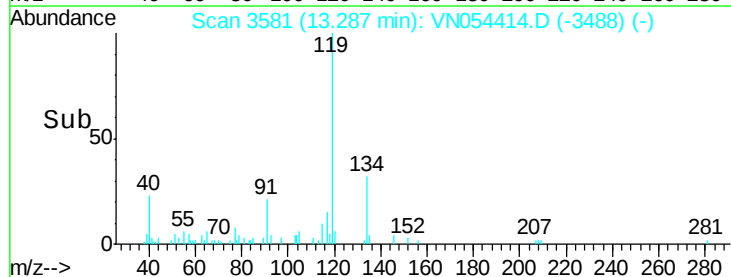
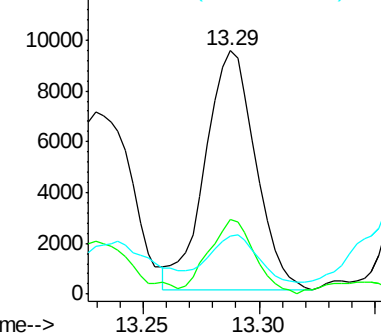
91 22.2 11.1 33.3

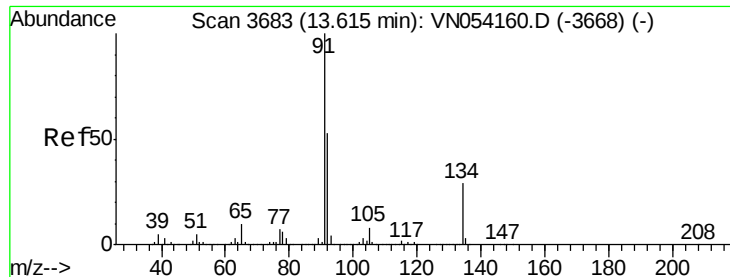


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.243 ug/l

RT: 13.59 min Scan# 3674

Delta R.T. -0.03 min

Lab File: VN054414.D

Acq: 19 Mar 2019 1:23

Instrument :

MSVOA_N

ClientSampleId :

30296-97-30304-05-06

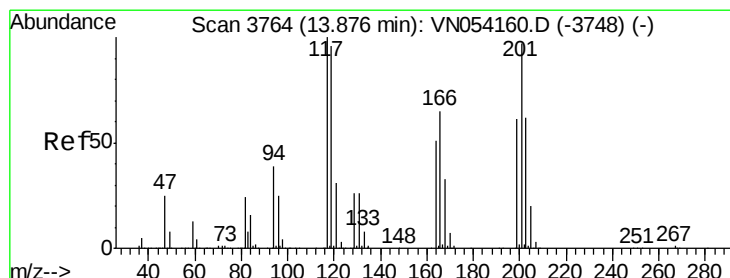
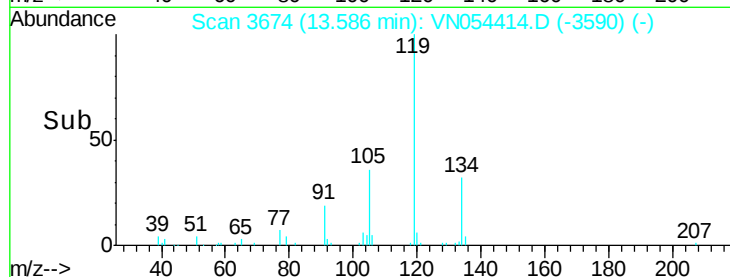
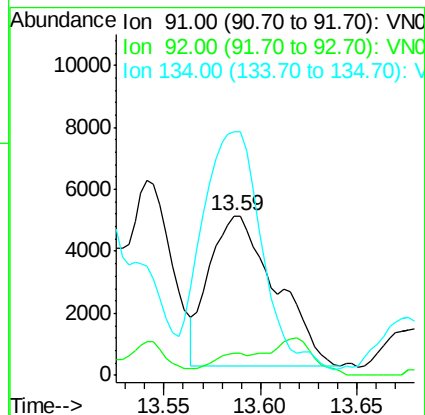
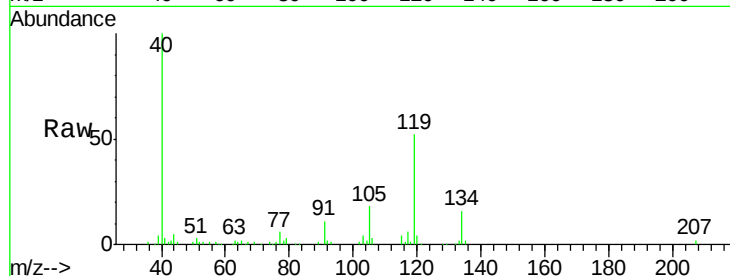
Tot Ion: 91 Resp: 11562

Ion Ratio Lower Upper

91 100

92 7.9 26.2 78.6#

134 141.3 14.3 42.9#



#90

Hexachloroethane

Concen: 0.324 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN054414.D

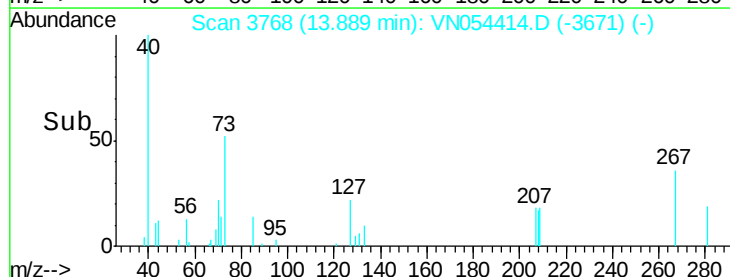
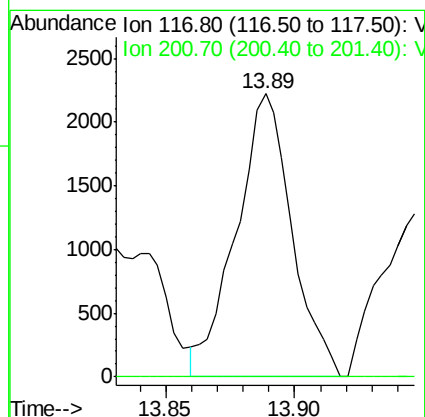
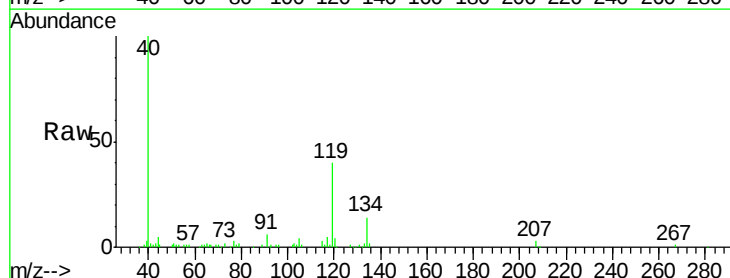
Acq: 19 Mar 2019 1:23

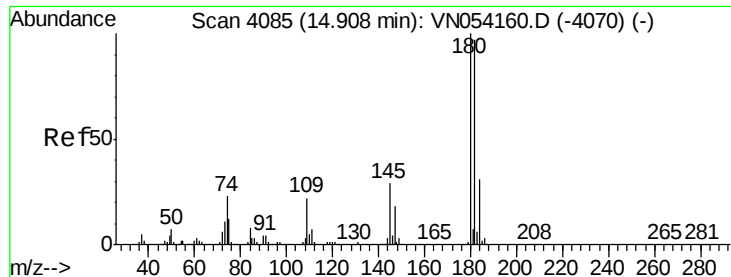
Tgt Ion: 117 Resp: 3352

Ion Ratio Lower Upper

117 100

201 0.0 48.1 144.4#

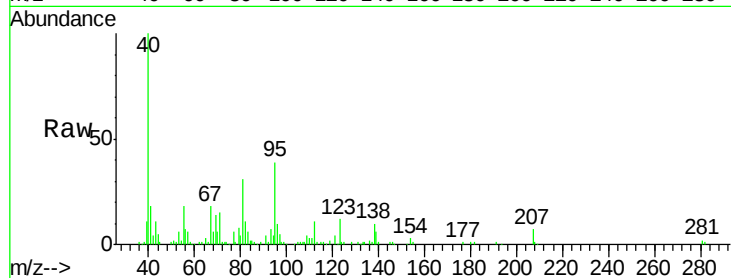




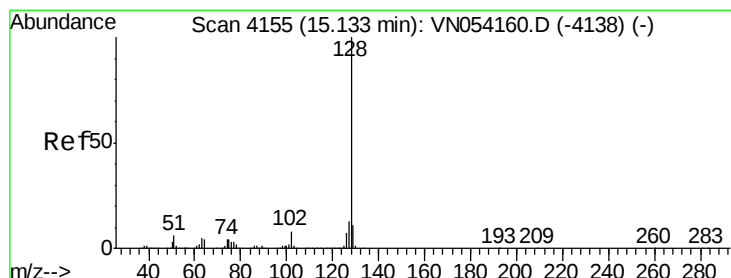
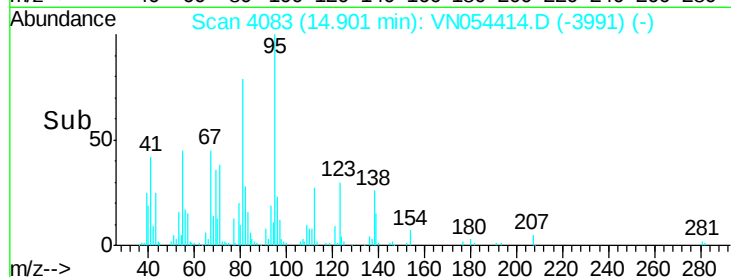
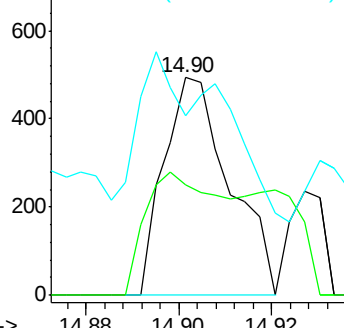
#93
 1,2,4-Trichlorobenzene
 Concen: 2.541 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

Instrument :
 MSVOA_N
 ClientSampleId :
 30296-97-30304-05-06

Tot Ion:180 Resp: 486
 Ion Ratio Lower Upper
 180 100
 182 64.2 48.0 144.2
 145 42.0 14.2 42.8

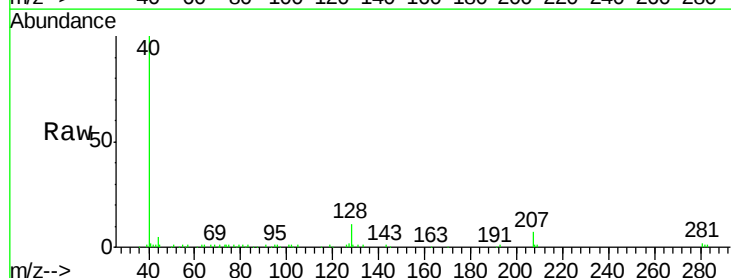


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.699 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN054414.D
 Acq: 19 Mar 2019 1:23

Tgt Ion:128 Resp: 9696
 Ion Ratio Lower Upper
 128 100
 127 15.6 10.1 15.1#
 129 16.7 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

