

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055943.D
 Acq On : 1 Jun 2019 2:51
 Operator : JC/SP
 Sample : K3125-15 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Quant Time: Jun 01 04:08:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	341250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	519581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146826	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	174508	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.59	113	150781	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
50) Toluene-d8	10.09	98	620144	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.40	95	191870	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

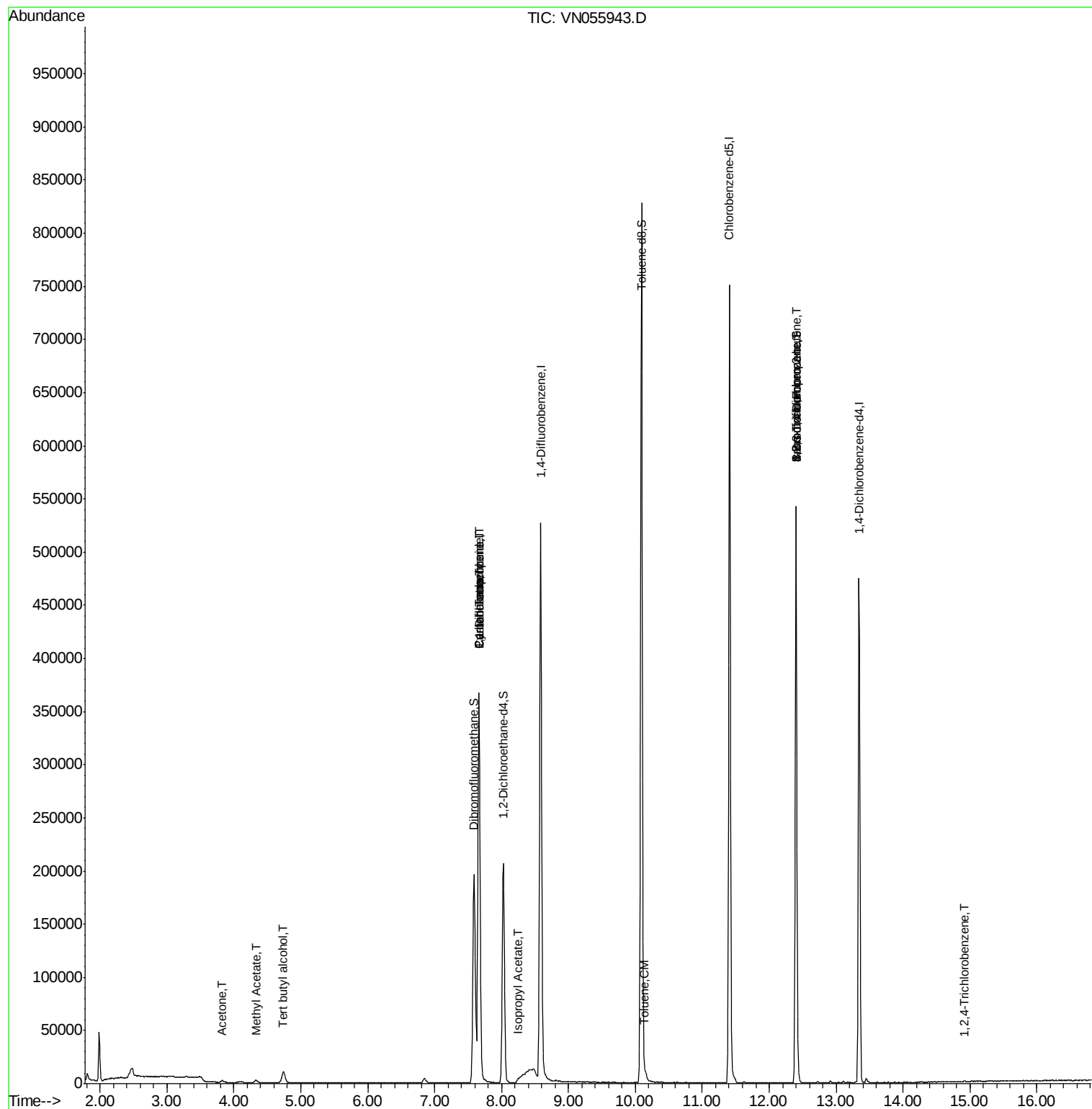
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	10210	15.163	ug/l #	74
16) Acetone	3.82	43	3536	2.283	ug/l	95
18) Methyl Acetate	4.33	43	4935	0.311	ug/l #	70
31) Cyclohexane	7.66	56	5293	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20680	4.567	ug/l #	48
38) Carbon Tetrachloride	7.66	117	28059	5.949	ug/l #	15
43) Isopropyl Acetate	8.25	43	2688	0.366	ug/l #	53
52) Toluene	10.15	92	1867	0.218	ug/l	88
71) Bromoform	12.40	173	1357	0.418	ug/l #	1
73) Isopropylbenzene	12.24	105	68	Below Cal	#	48
74) N-amyl acetate	12.08	43	218	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	88600	34.040	ug/l #	100
79) 2-Chlorotoluene	12.59	91	468	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	260	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	88600	81.191	ug/l #	15
83) tert-Butylbenzene	12.99	119	61	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	13.04	105	345	Below Cal	#	30
85) sec-Butylbenzene	13.17	105	214	Below Cal	#	55
93) 1,2,4-Trichlorobenzene	14.91	180	319	3.741	ug/l #	62

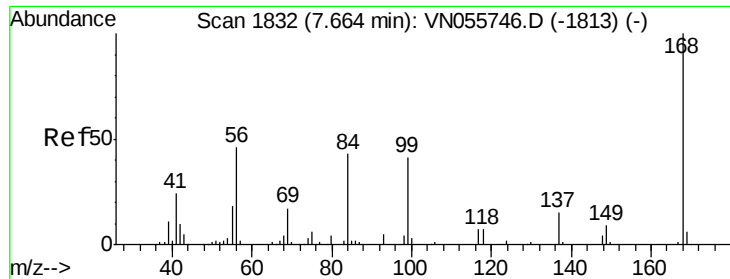
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055943.D

Acq: 1 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

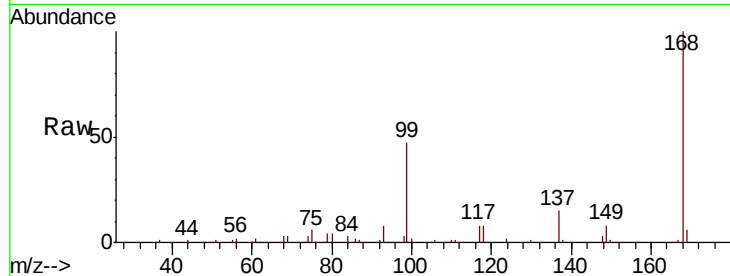
COMP-2

Tot Ion:168 Resp: 341250

Ion Ratio Lower Upper

168 100

99 46.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

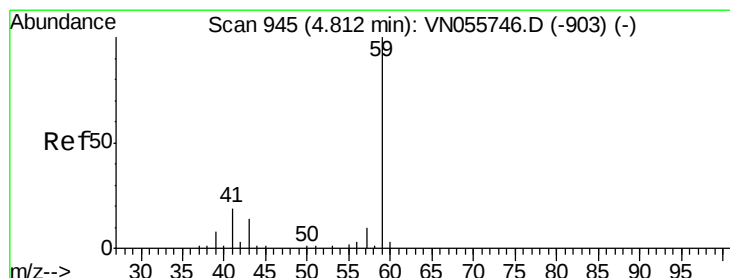
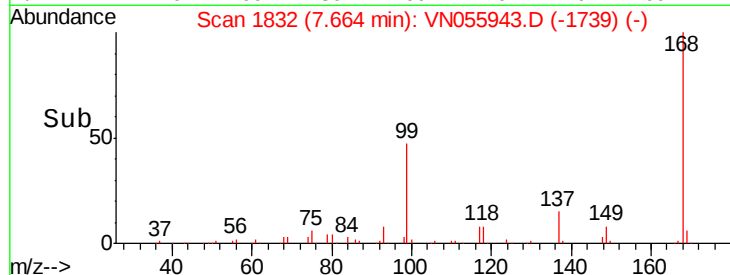
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 15.163 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.07 min

Lab File: VN055943.D

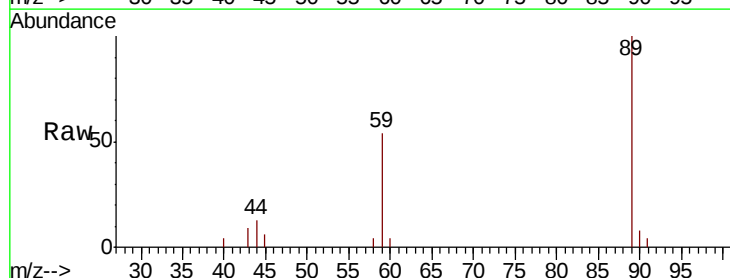
Acq: 1 Jun 2019 2:51

Tgt Ion: 59 Resp: 10210

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055746.D (-903) (-)

Ion 57.00 (56.70 to 57.70): VN055746.D (-903) (-)

4.74

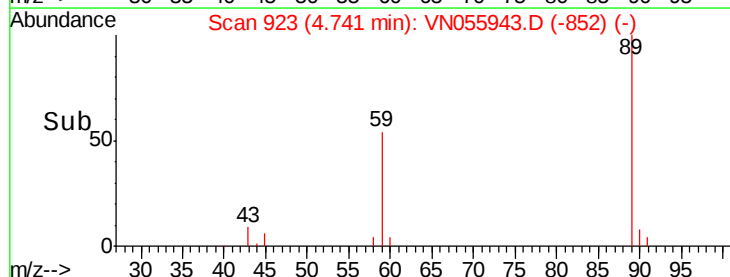
3000

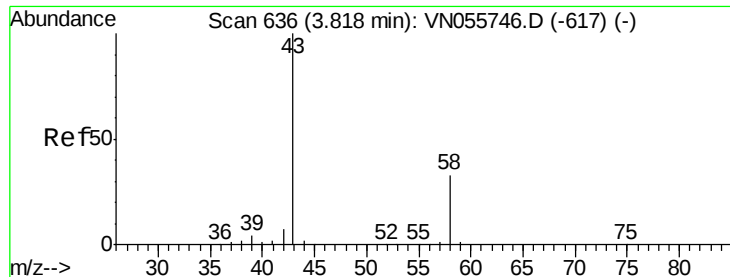
2000

1000

0

Time-->





#16

Acetone

Concen: 2.283 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055943.D

Acq: 1 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampled :

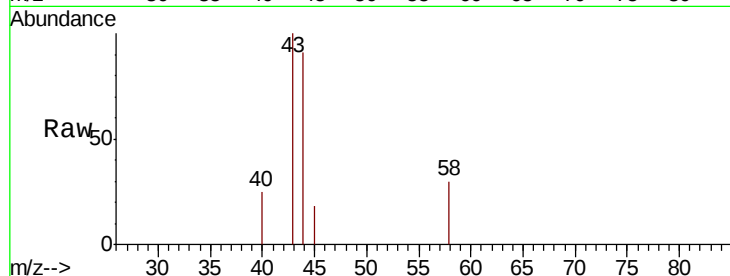
COMP-2

Tot Ion: 43 Resp: 3536

Ion Ratio Lower Upper

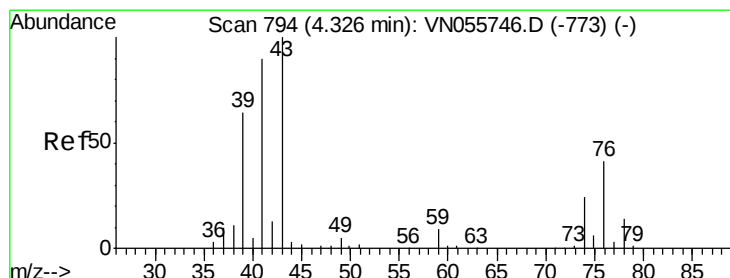
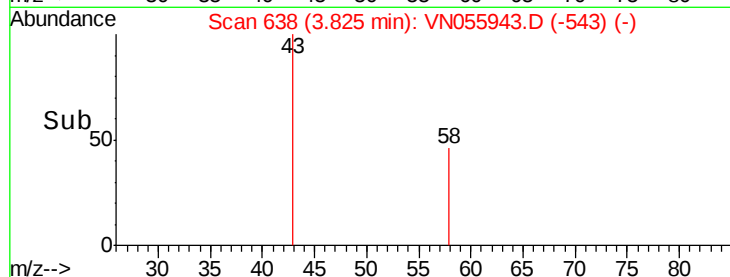
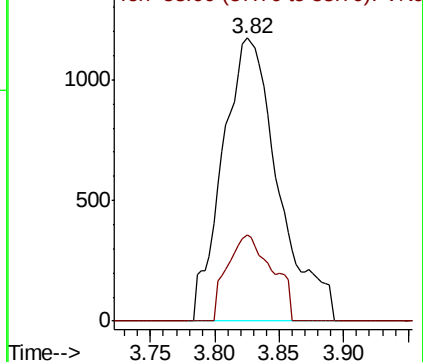
43 100

58 30.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.311 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055943.D

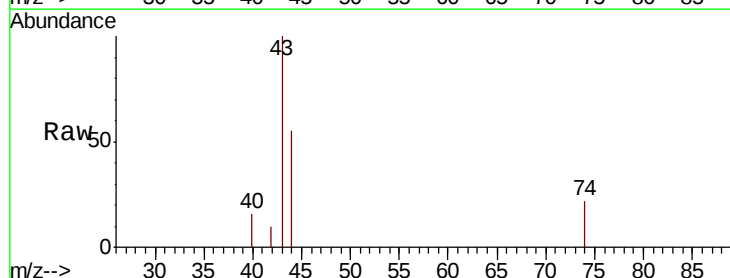
Acq: 1 Jun 2019 2:51

Tgt Ion: 43 Resp: 4935

Ion Ratio Lower Upper

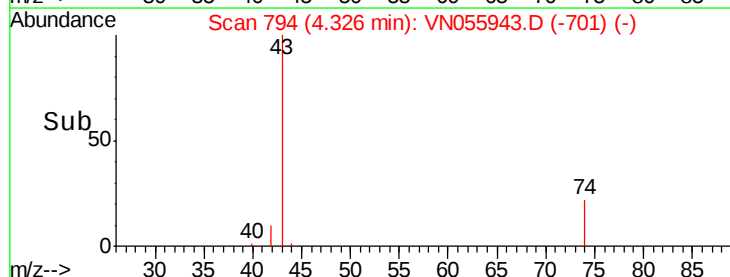
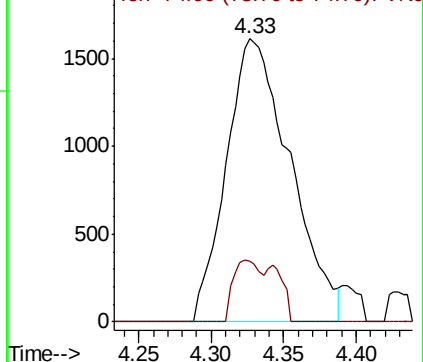
43 100

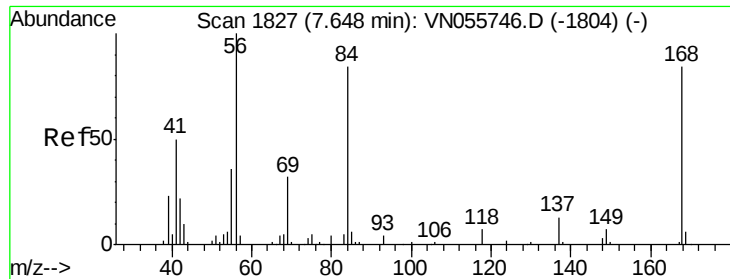
74 9.4 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

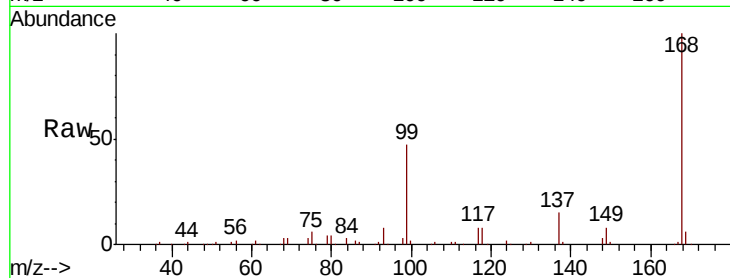




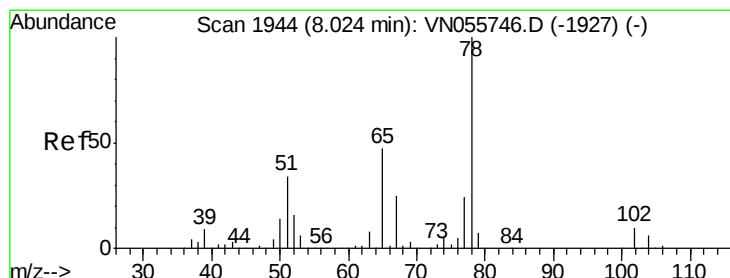
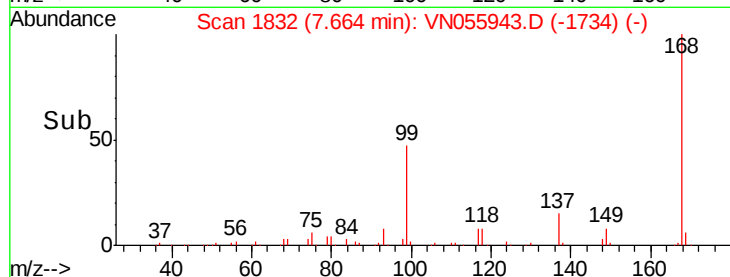
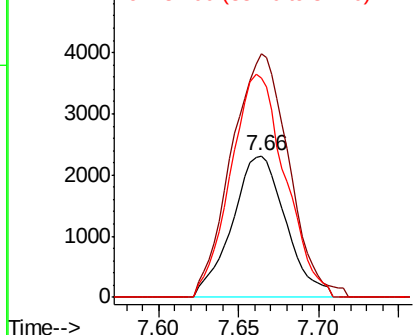
#31
Cyclohexane
Concen: 1.001 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion: 56 Resp: 5293
Ion Ratio Lower Upper
56 100
69 172.3 25.6 38.4#
84 155.6 67.4 101.0#

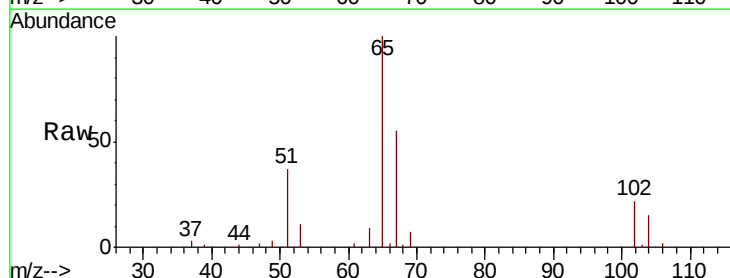


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

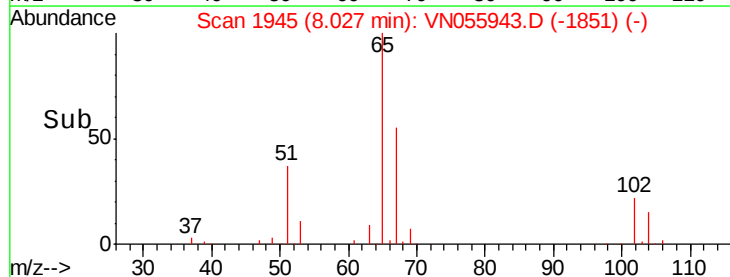
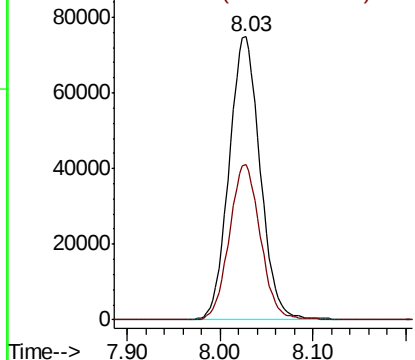


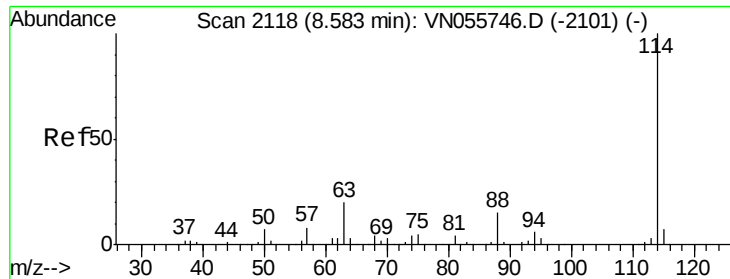
#33
1,2-Dichloroethane-d4
Concen: 49.518 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Tgt Ion: 65 Resp: 174508
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

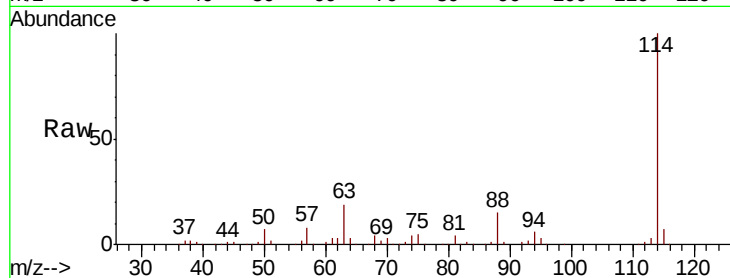




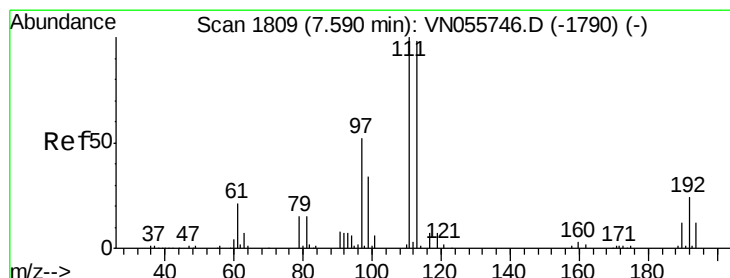
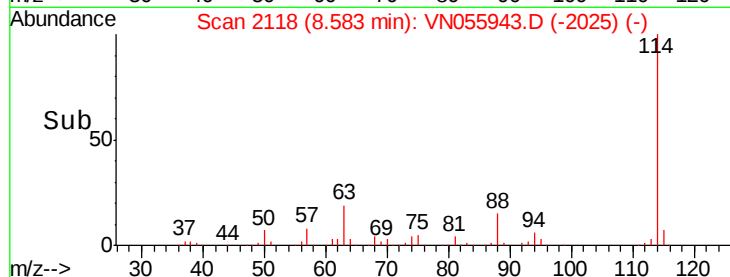
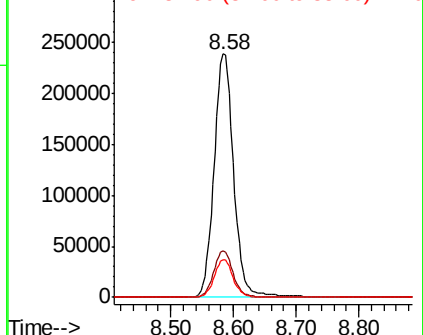
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Instrument :
MSVOA_N
ClientSampleId :
COMP-2

Tot Ion:114 Resp: 519581
Ion Ratio Lower Upper
114 100
63 19.1 0.0 39.2
88 15.5 0.0 31.0

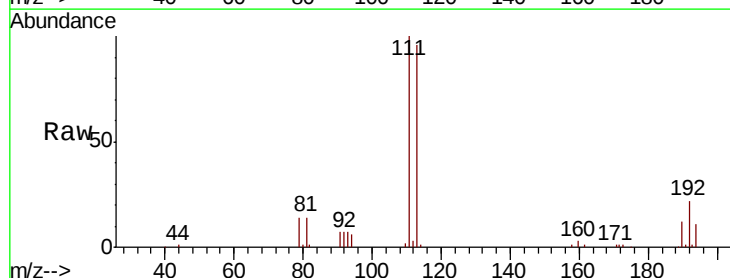


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

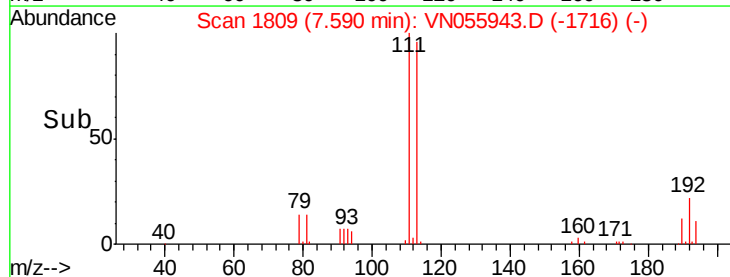
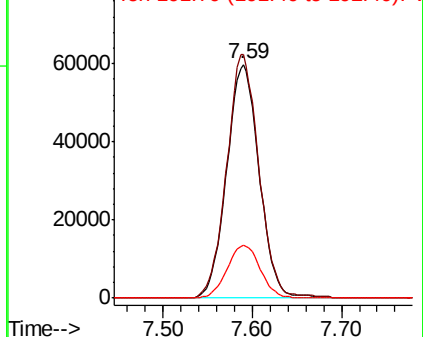


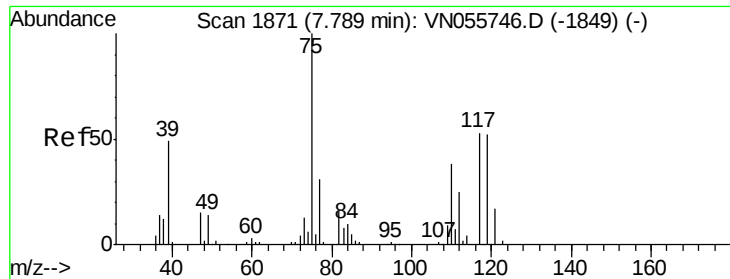
#35
Dibromofluoromethane
Concen: 45.900 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Tgt Ion:113 Resp: 150781
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 22.9 19.5 29.3



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

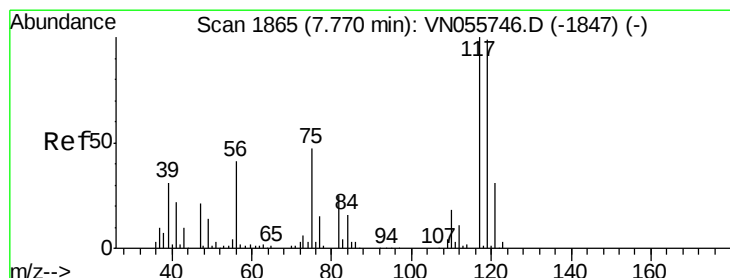
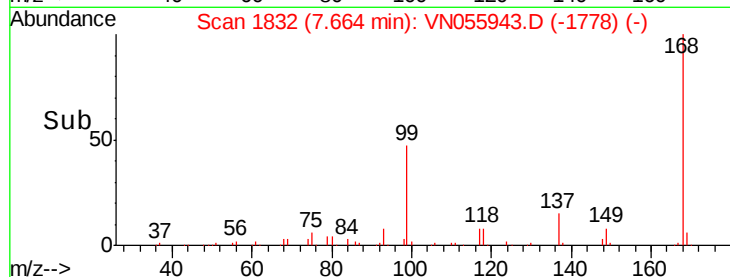
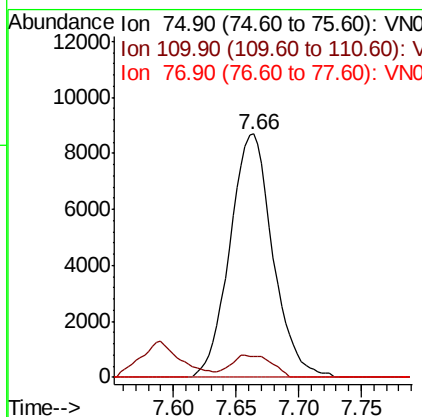
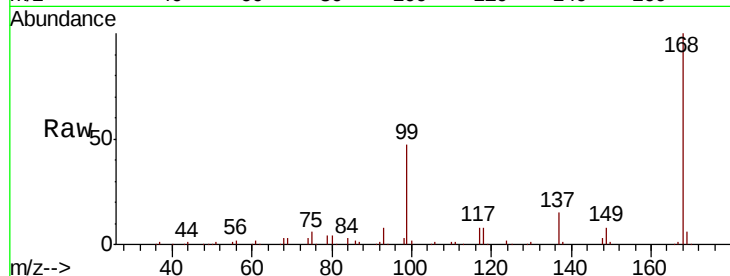




#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055943.D
 Acq: 1 Jun 2019 2:51

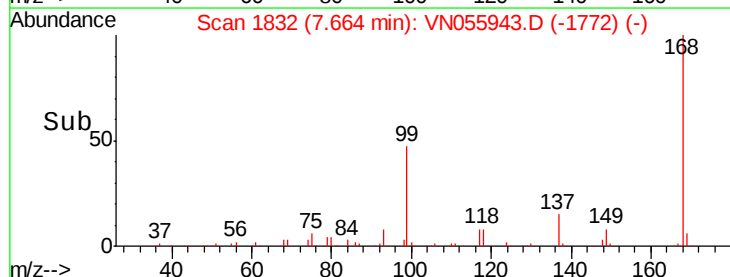
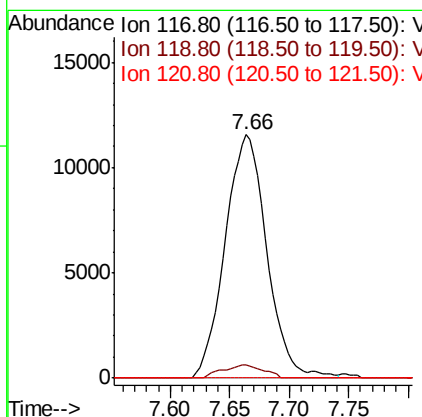
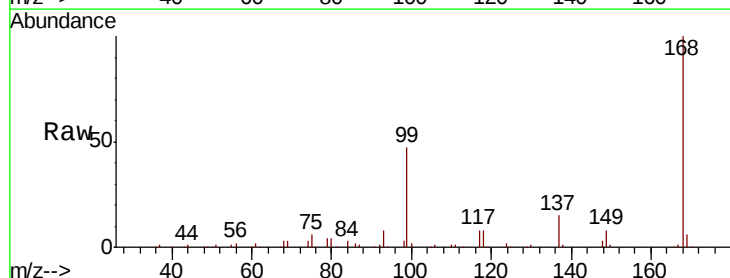
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

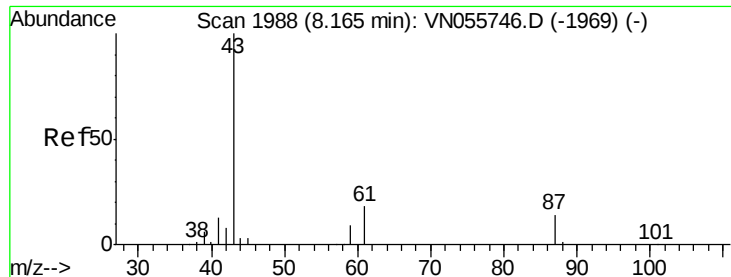
Tot Ion	75	Resp	20680
Ion Ratio	Lower	Upper	
75	100		
110	8.6	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.949 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055943.D
 Acq: 1 Jun 2019 2:51

Tgt Ion	117	Resp	28059
Ion Ratio	Lower	Upper	
117	100		
119	5.4	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.366 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.08 min

Lab File: VN055943.D

Acq: 1 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampled :

COMP-2

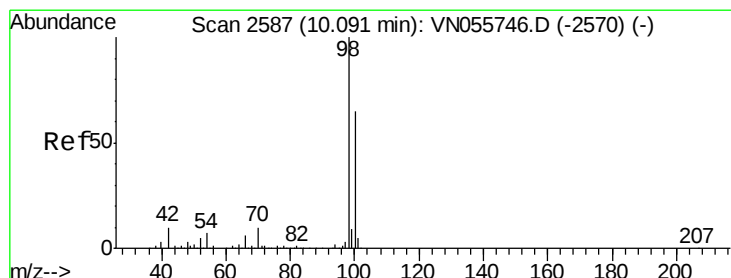
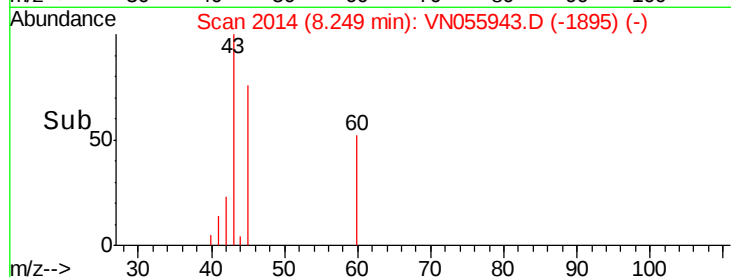
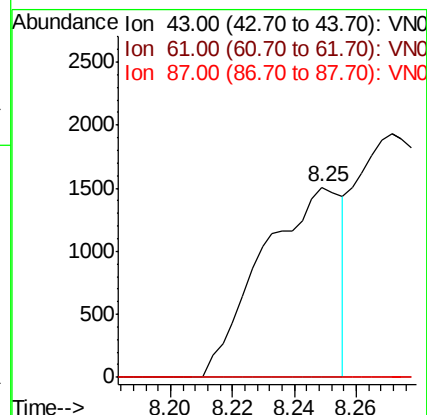
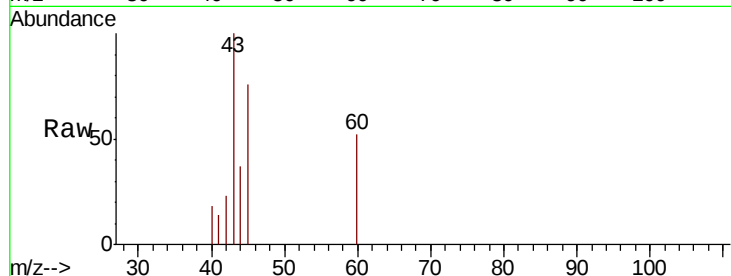
Tot Ion: 43 Resp: 2688

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



#50

Toluene-d8

Concen: 49.215 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055943.D

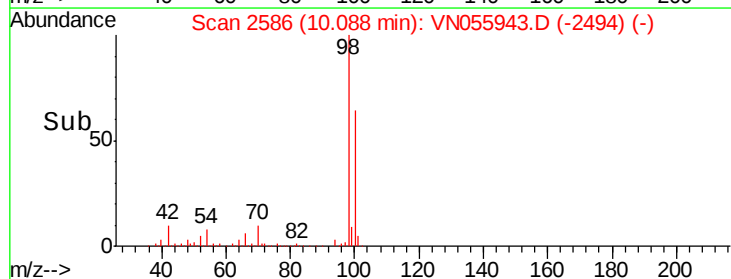
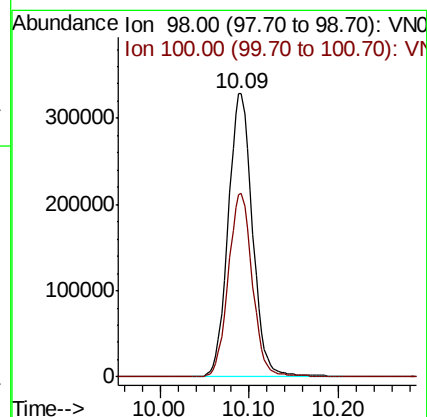
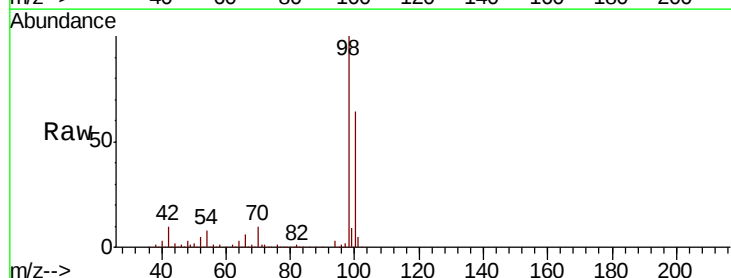
Acq: 1 Jun 2019 2:51

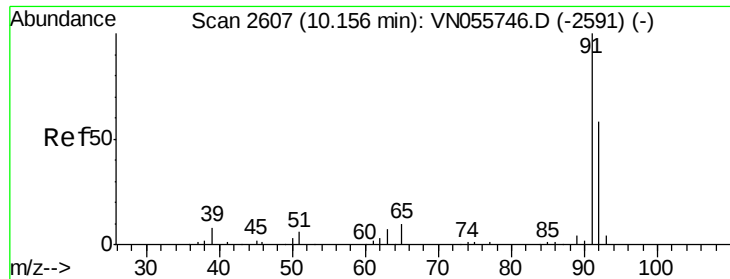
Tgt Ion: 98 Resp: 620144

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#52

Toluene

Concen: 0.218 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.01 min

Lab File: VN055943.D

Acq: 1 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

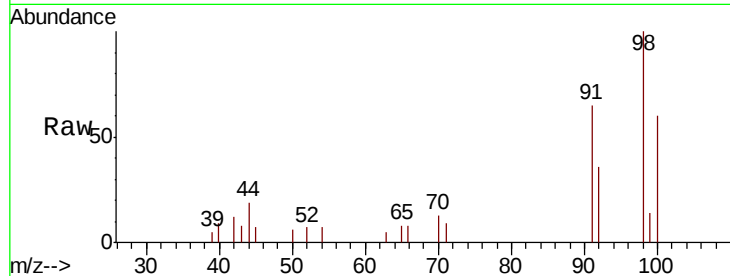
COMP-2

Tot Ion: 92 Resp: 1867

Ion Ratio Lower Upper

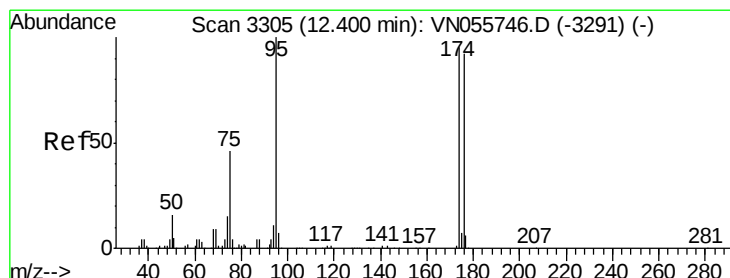
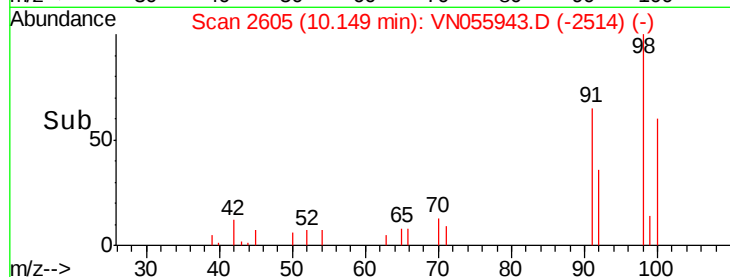
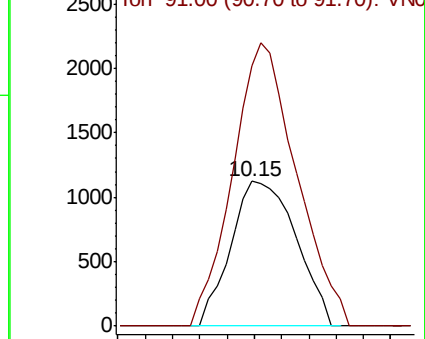
92 100

91 191.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 44.407 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055943.D

Acq: 1 Jun 2019 2:51

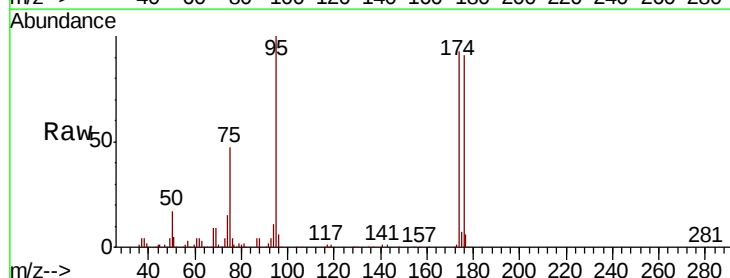
Tgt Ion: 95 Resp: 191870

Ion Ratio Lower Upper

95 100

174 94.2 0.0 191.0

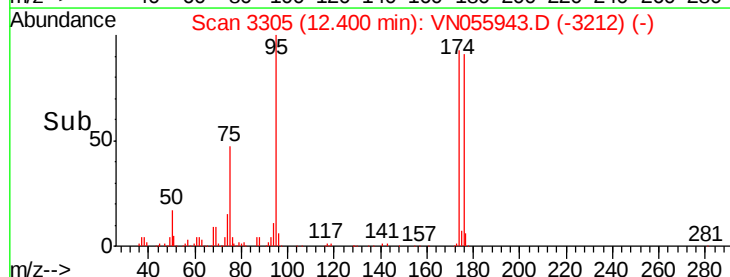
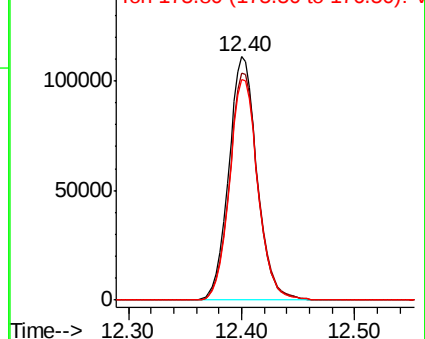
176 91.2 0.0 185.2

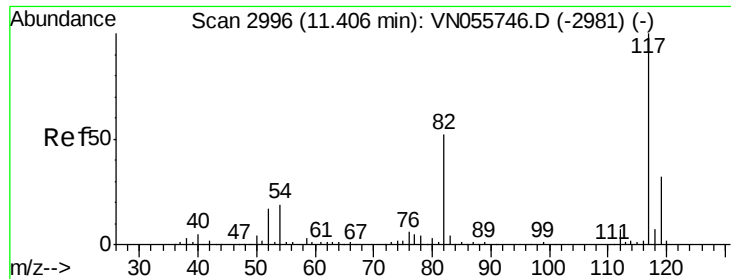


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

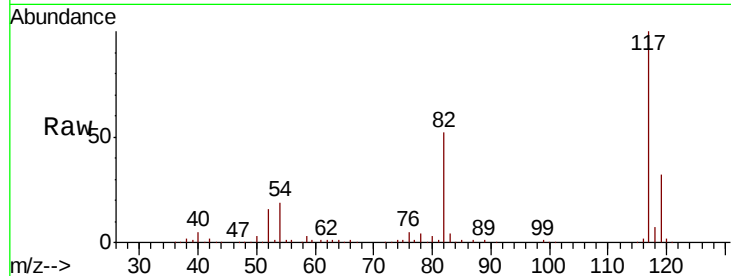




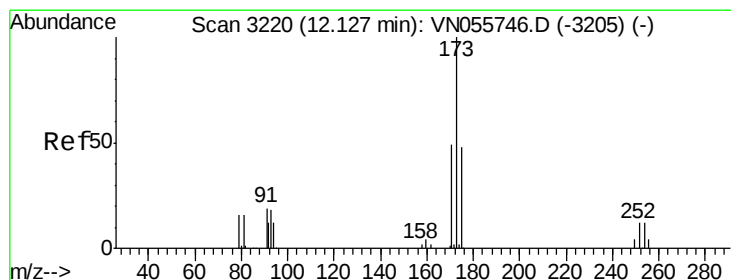
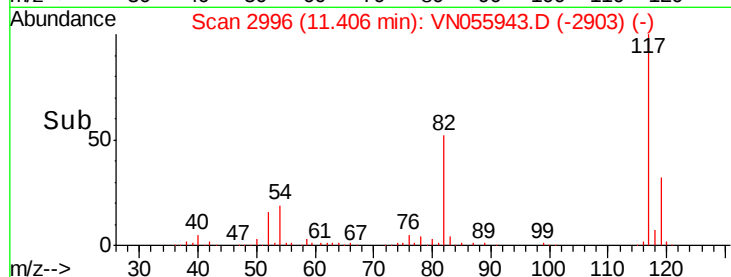
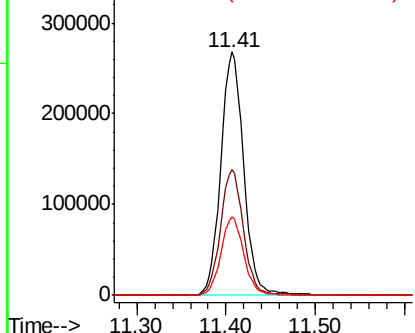
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Instrument :
MSVOA_N
ClientSampleId :
COMP-2

Tot Ion:117 Resp: 476339
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.1 25.4 38.0

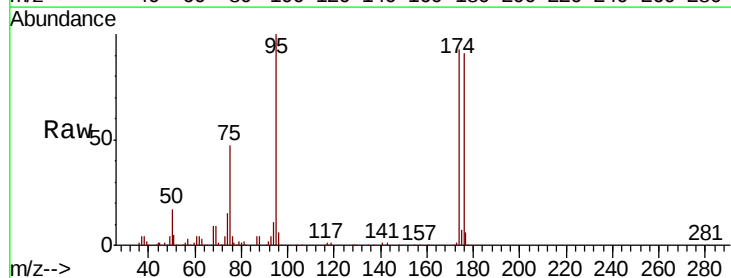


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

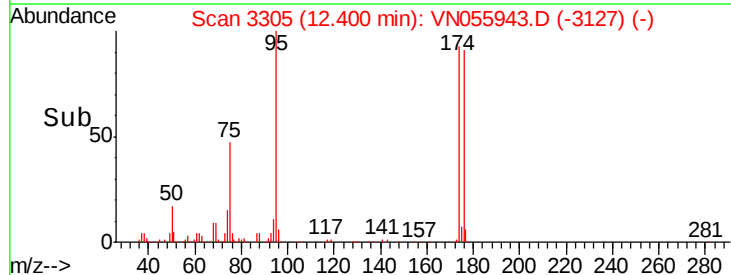
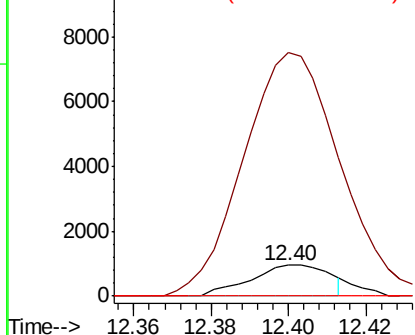


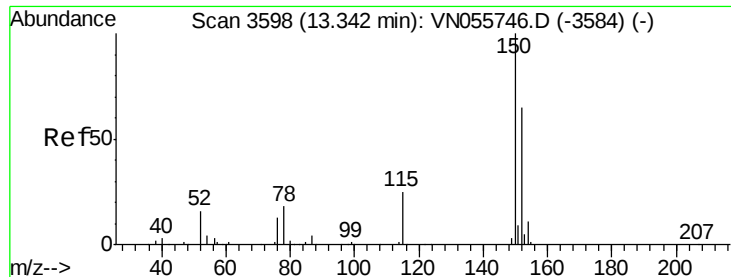
#71
Bromoform
Concen: 0.418 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Tgt Ion:173 Resp: 1357
Ion Ratio Lower Upper
173 100
175 838.2 24.3 72.8#
254 0.0 0.0 0.0



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: VN055943.D

Acq: 1 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

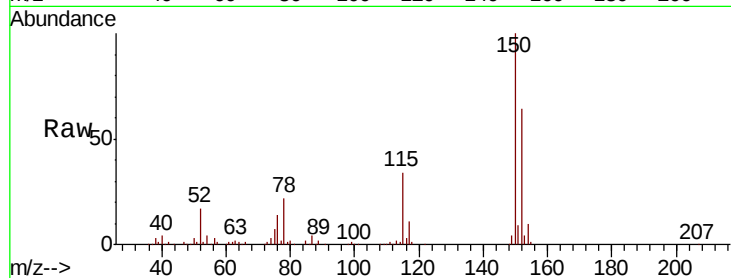
Tot Ion:152 Resp: 146826

Ion Ratio Lower Upper

152 100

115 53.7 27.0 81.0

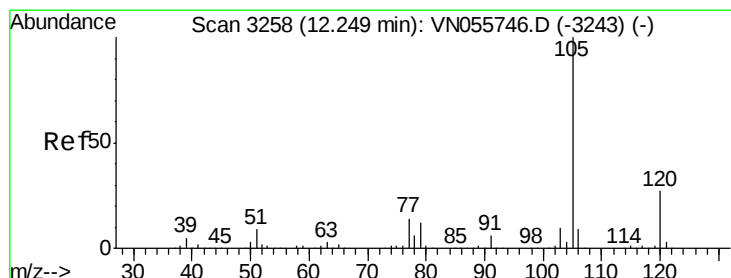
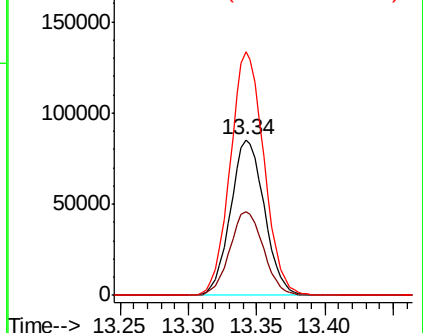
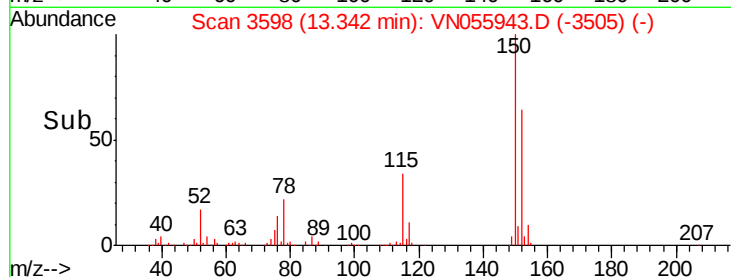
150 155.9 0.0 343.2



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: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN055943.D

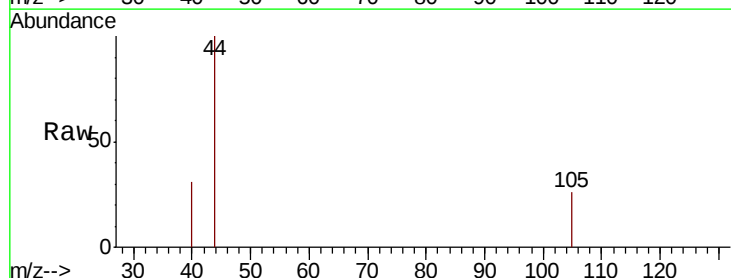
Acq: 1 Jun 2019 2:51

Tgt Ion:105 Resp: 68

Ion Ratio Lower Upper

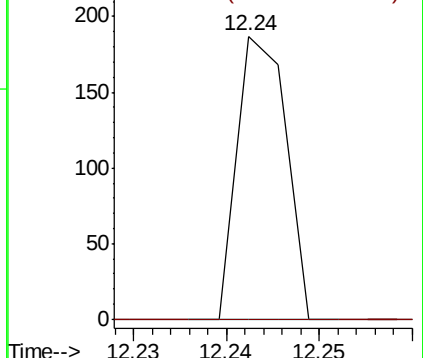
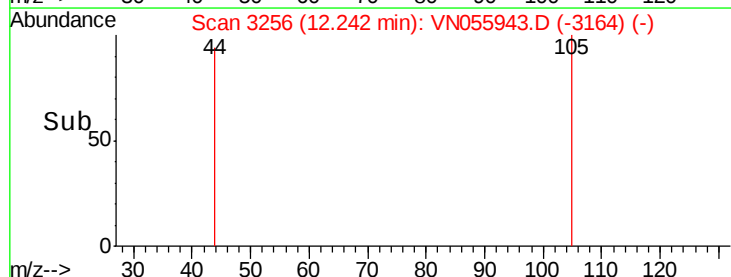
105 100

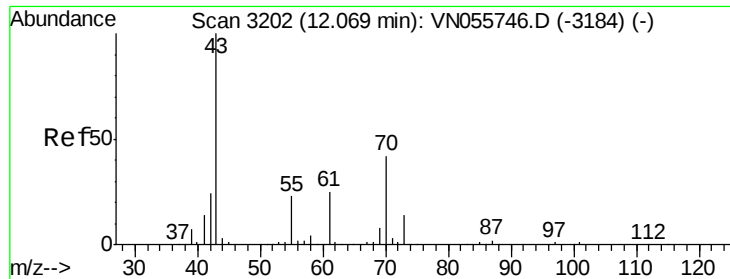
120 0.0 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN055943.D

Acq: 1 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

Tot Ion: 43 Resp: 218

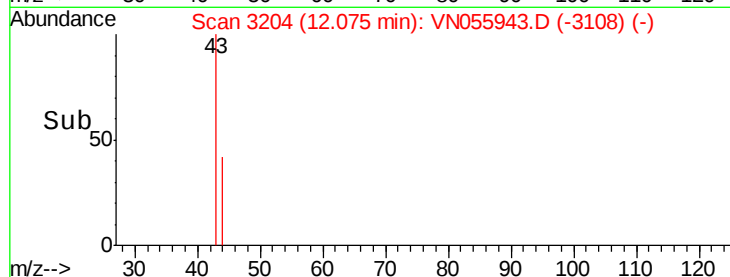
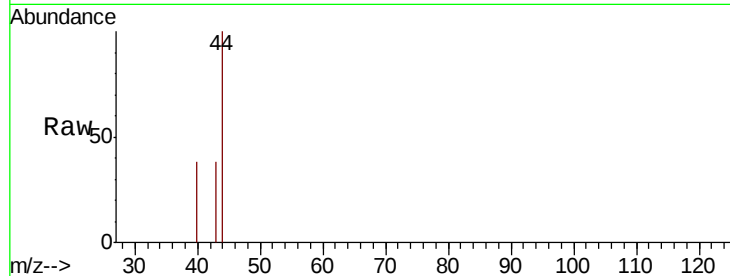
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#

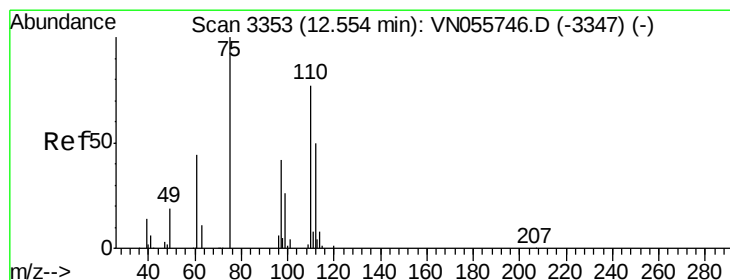
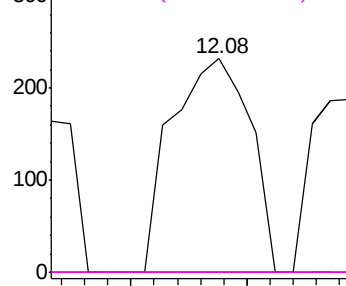


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 34.040 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055943.D

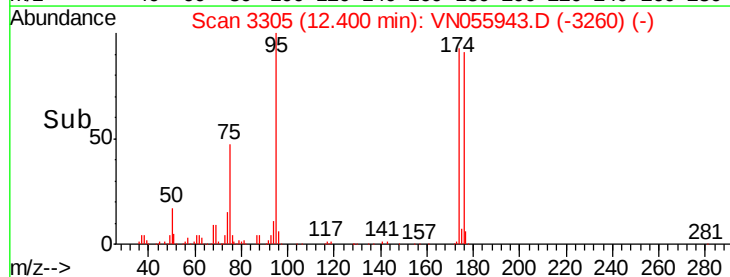
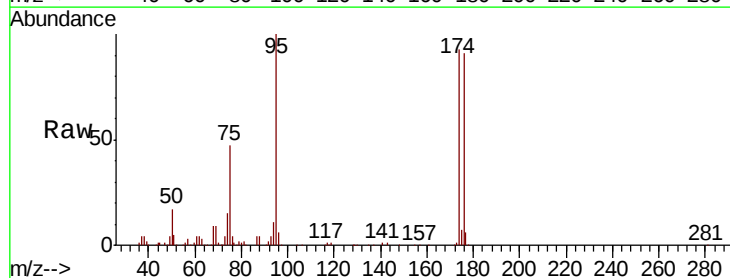
Acq: 1 Jun 2019 2:51

Tgt Ion: 75 Resp: 88600

Ion Ratio Lower Upper

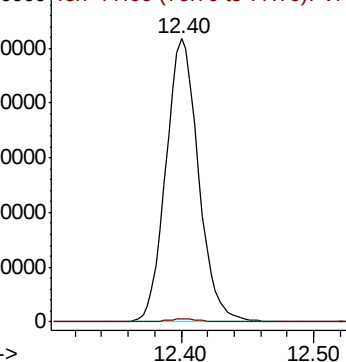
75 100

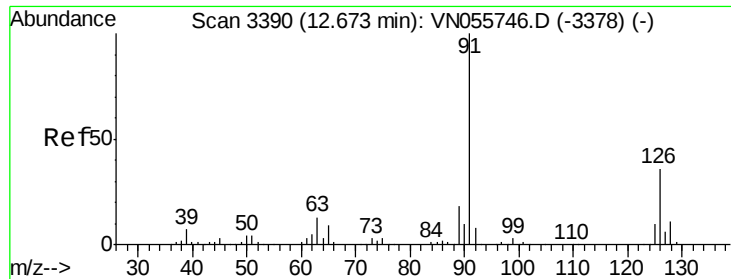
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

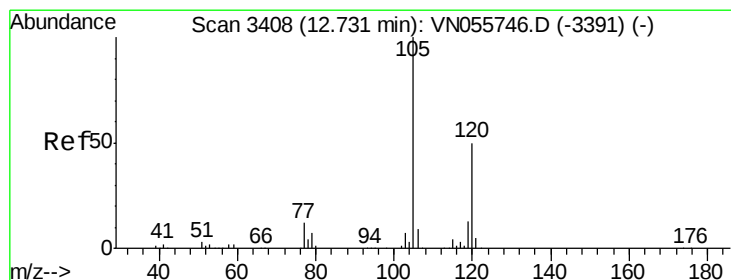
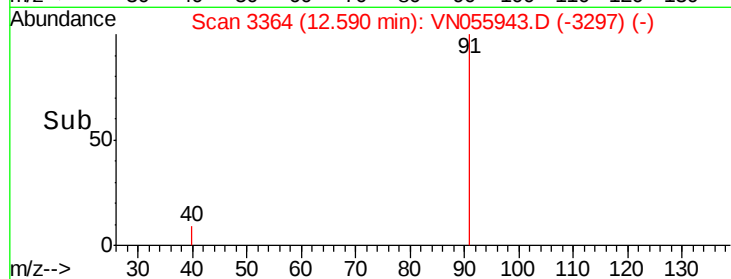
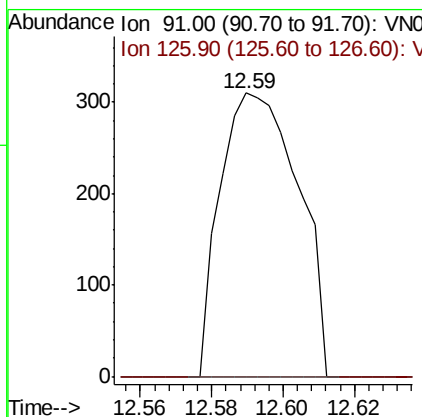
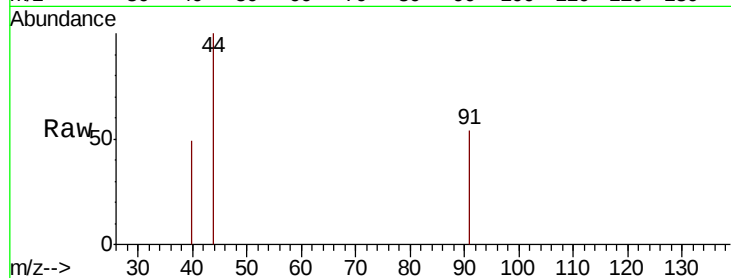




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.59 min Scan# 3364
 Delta R.T. -0.08 min
 Lab File: VN055943.D
 Acq: 1 Jun 2019 2:51

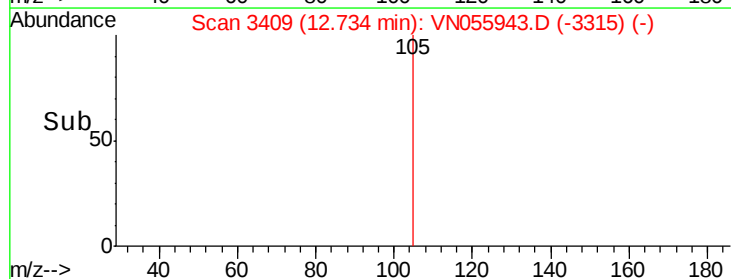
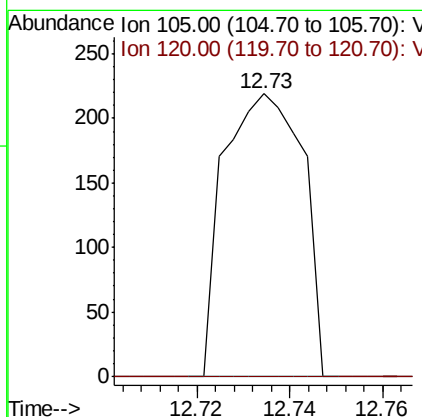
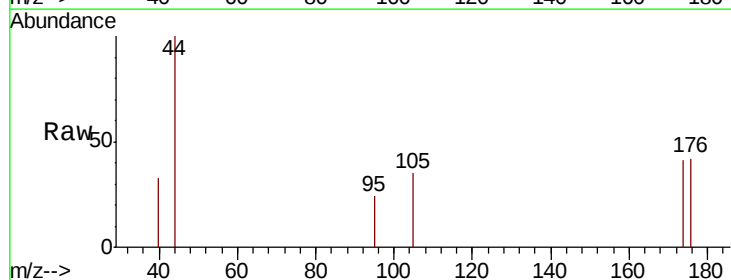
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

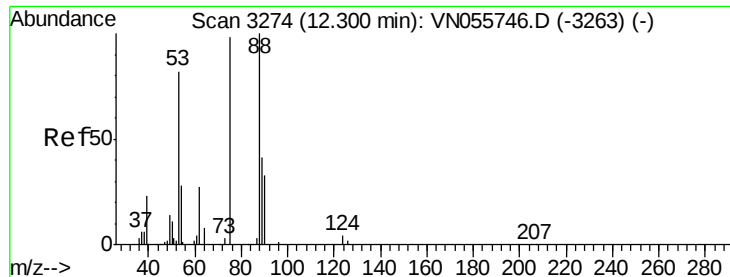
Tot Ion: 91 Resp: 468
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN055943.D
 Acq: 1 Jun 2019 2:51

Tgt Ion: 105 Resp: 260
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#

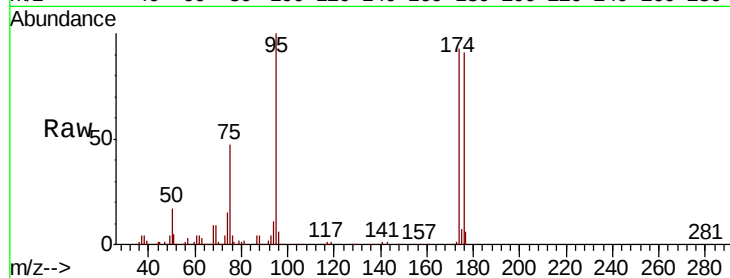




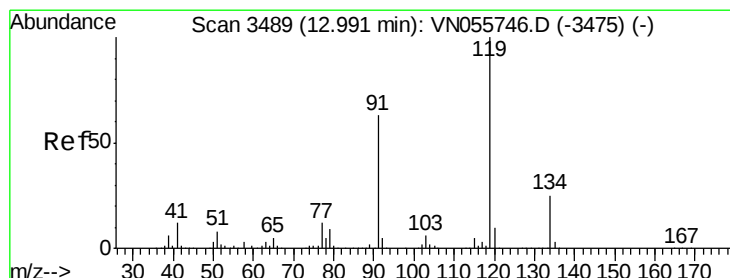
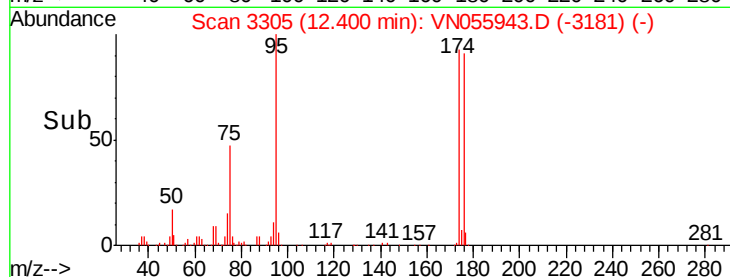
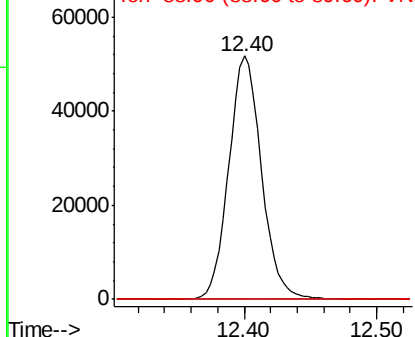
#81
trans-1,4-Dichloro-2-butene
Concen: 81.191 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Instrument :
MSVOA_N
ClientSampleId :
COMP-2

Tot Ion: 75 Resp: 88600
Ion Ratio Lower Upper
75 100
53 0.0 68.1 102.1#
89 0.0 36.9 55.3#

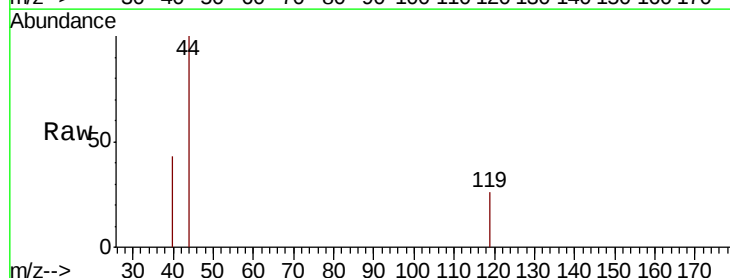


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

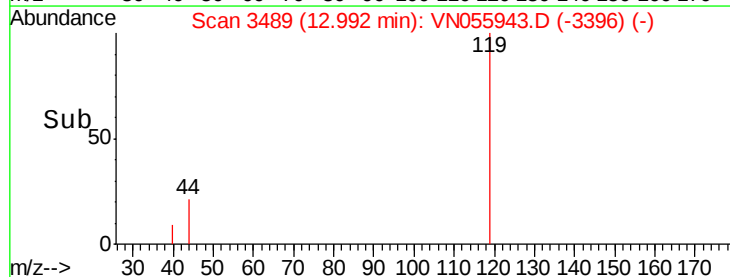
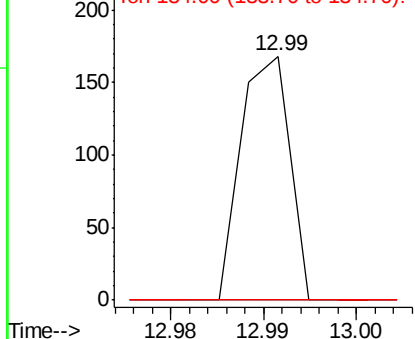


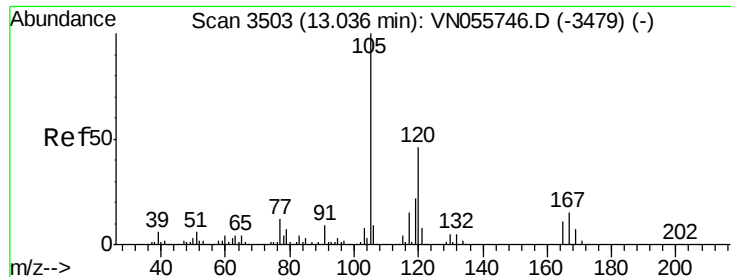
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055943.D
Acq: 1 Jun 2019 2:51

Tgt Ion: 119 Resp: 61
Ion Ratio Lower Upper
119 100
91 0.0 30.9 92.8#
134 0.0 13.3 39.8#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN0
Ion 134.00 (133.70 to 134.70): V

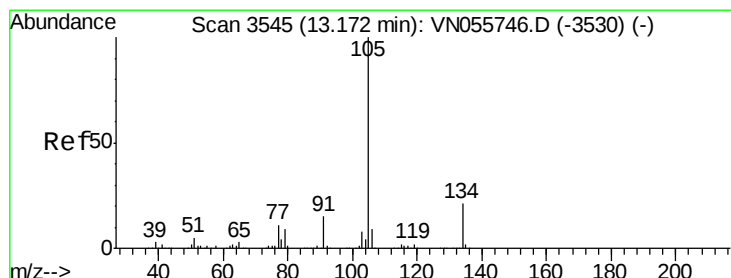
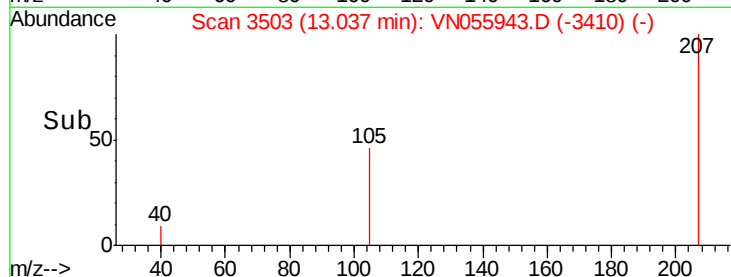
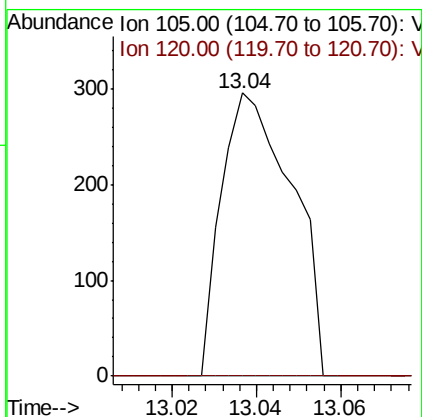
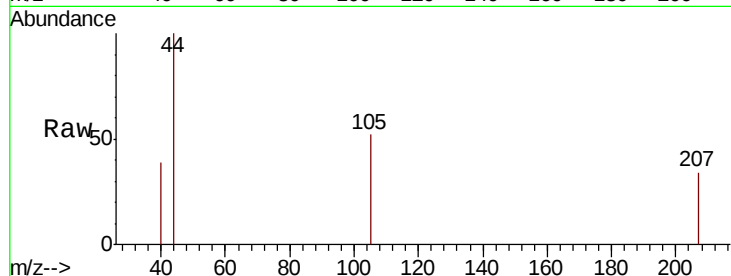




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055943.D
 Acq: 1 Jun 2019 2:51

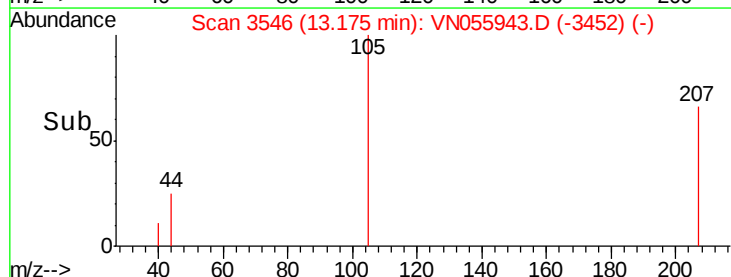
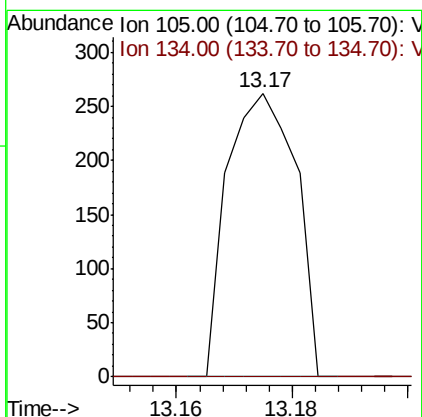
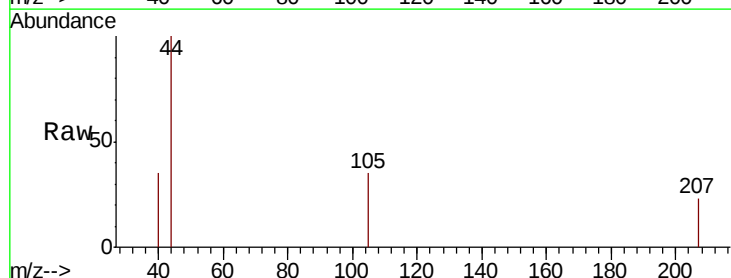
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-2

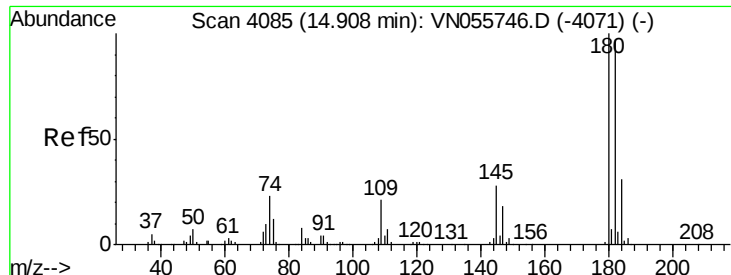
Tot Ion:105 Resp: 345
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.0 69.0#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN055943.D
 Acq: 1 Jun 2019 2:51

Tgt Ion:105 Resp: 214
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

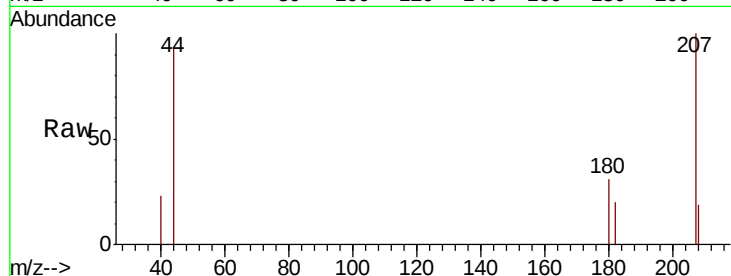




#93
 1,2,4-Trichlorobenzene
 Concen: 3.741 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055943.D
 Acq: 1 Jun 2019 2:51

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Tot Ion:180 Resp: 319
 Ion Ratio Lower Upper
 180 100
 182 63.9 48.3 144.9
 145 0.0 14.0 41.9#



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

