

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055824.D
 Acq On : 25 May 2019 3:49
 Operator : JC/SP
 Sample : K3037-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-20190523

Quant Time: May 25 05:51:32 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	431127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	604132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187894	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	196997	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	
35) Dibromofluoromethane	7.59	113	179903	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	10.09	98	713553	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	223226	44.43	ug/l	0.00
Spiked Amount			Recovery	=	88.86%	

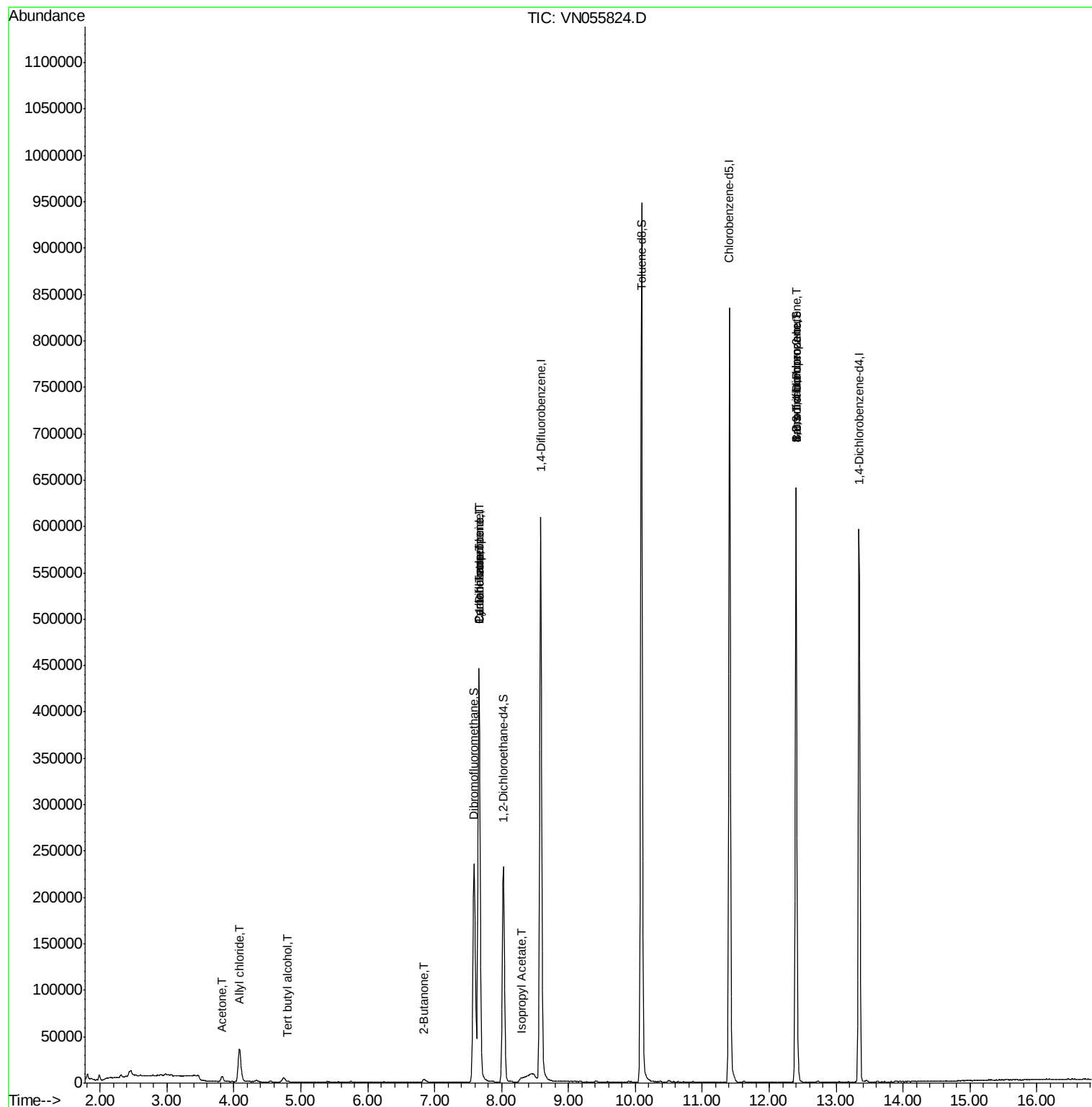
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.80	59	306	0.360	ug/l #	74
14) Allyl chloride	4.08	41	5863	0.933	ug/l #	67
16) Acetone	3.82	43	10669	5.451	ug/l	98
18) Methyl Acetate	4.34	43	3272	Below Cal	#	80
25) 2-Butanone	6.85	43	1598	0.585	ug/l	97
31) Cyclohexane	7.66	56	6153	0.921	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	24042	4.567	ug/l #	48
38) Carbon Tetrachloride	7.66	117	34627	6.314	ug/l #	15
43) Isopropyl Acetate	8.29	43	3251	0.380	ug/l #	53
71) Bromoform	12.40	173	1560	0.426	ug/l #	1
73) Isopropylbenzene	12.40	105	208	Below Cal	#	48
74) N-amyl acetate	12.08	43	126	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	103790	30.876	ug/l #	100
79) 2-Chlorotoluene	12.60	91	369	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	129	Below Cal	#	28
81) trans-1,4-Dichloro-2-buten	12.40	75	103790	74.322	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	514	Below Cal	#	48
85) sec-Butylbenzene	13.17	105	172	Below Cal	#	55

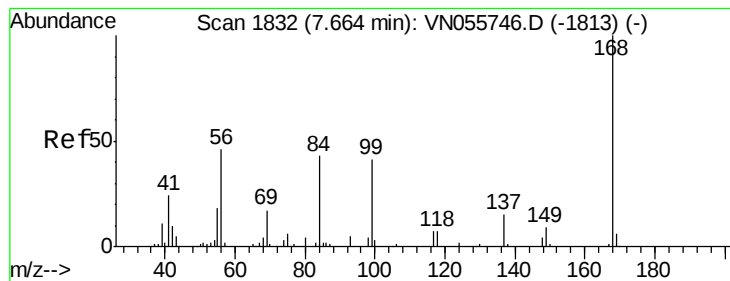
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055824.D

Acq: 25 May 2019 3:49

Instrument :

MSVOA_N

ClientSampleId :

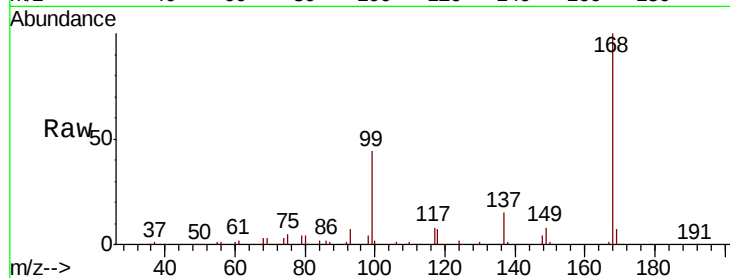
DUP-20190523

Tot Ion:168 Resp: 431127

Ion Ratio Lower Upper

168 100

99 43.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055824.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055824.D (-1739) (-)

7.66

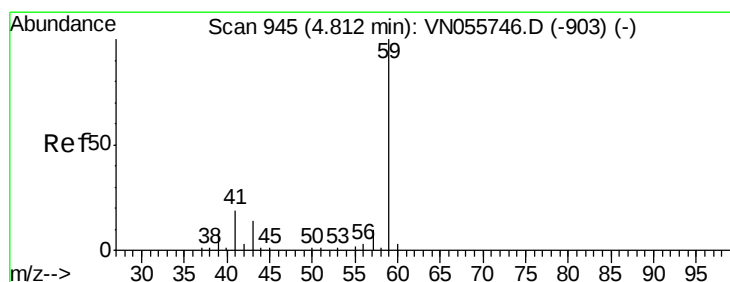
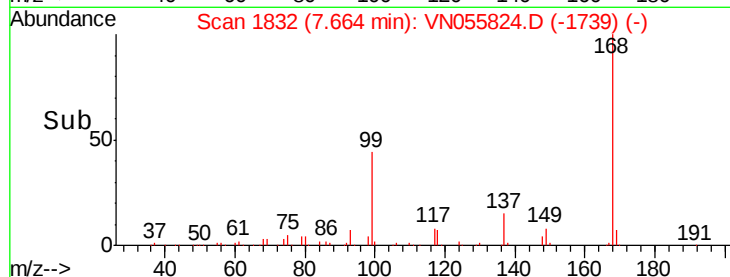
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 0.360 ug/l

RT: 4.80 min Scan# 942

Delta R.T. -0.01 min

Lab File: VN055824.D

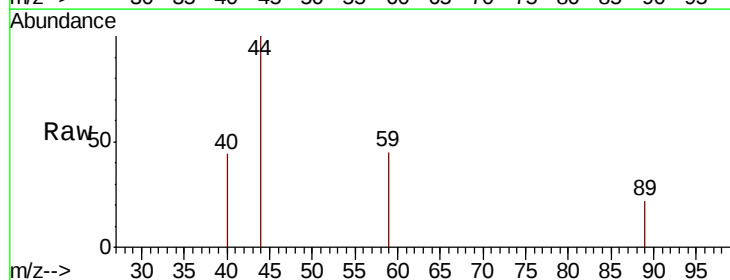
Acq: 25 May 2019 3:49

Tgt Ion: 59 Resp: 306

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN055824.D (-852) (-)

Ion 57.00 (56.70 to 57.70): VN055824.D (-852) (-)

4.80

400

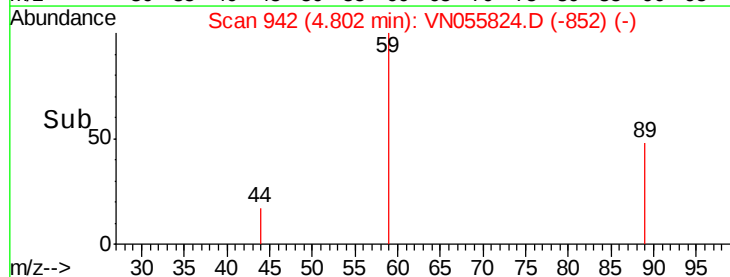
300

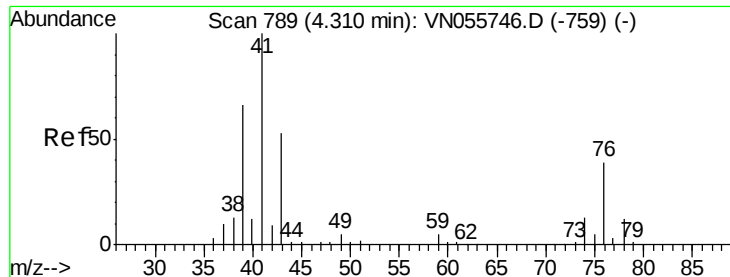
200

100

0

Time--> 4.79 4.80 4.81 4.82

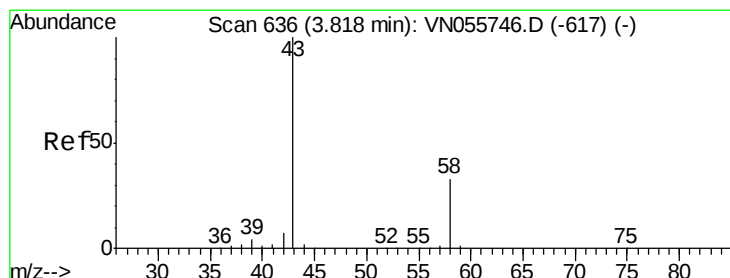
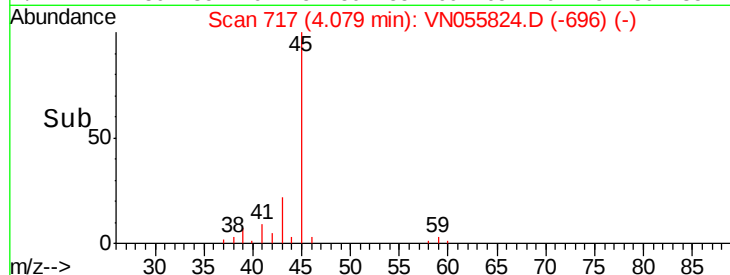
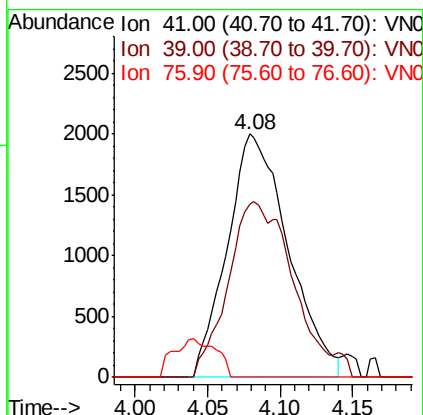
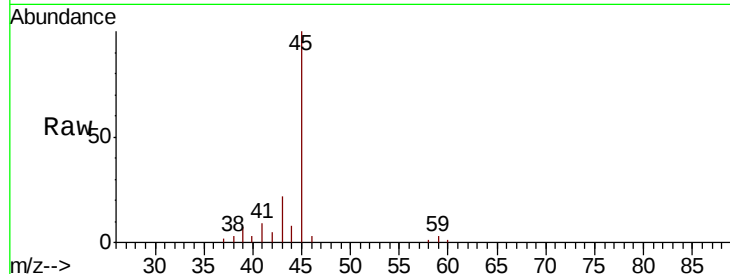




#14
Allvl chloride
Concen: 0.933 ug/l
RT: 4.08 min Scan# 717
Delta R.T. -0.23 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

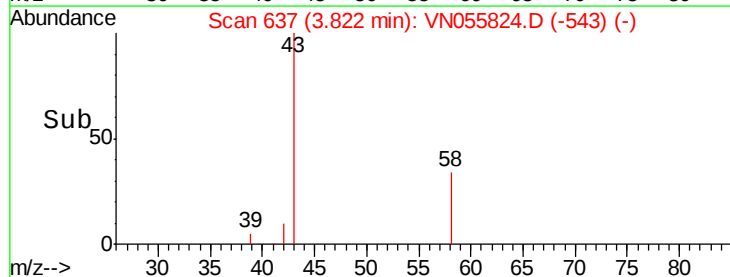
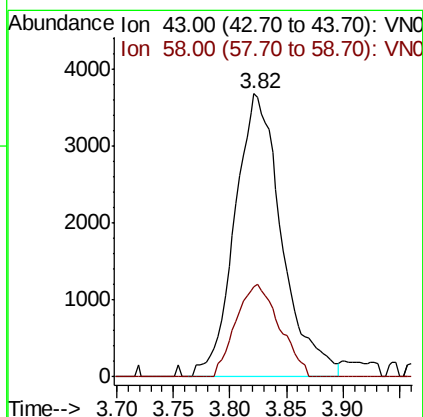
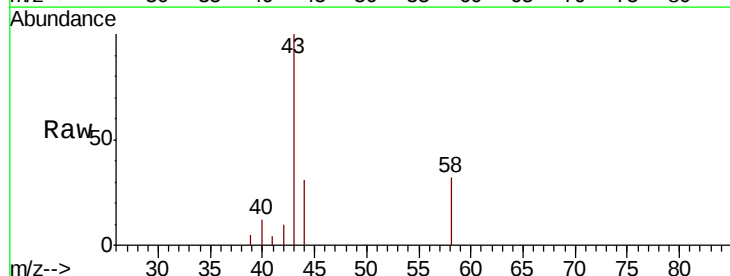
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MSVOA_N
ClientSampleId :
DUP-20190523

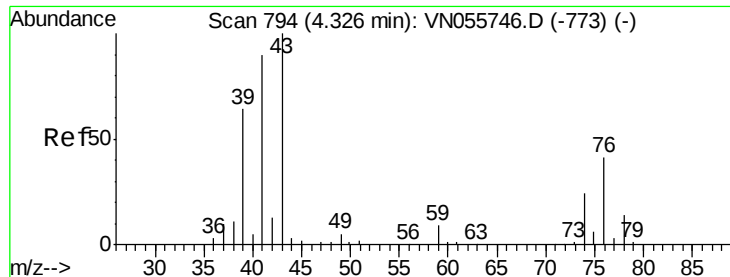
Tot Ion: 41 Resp: 5863
Ion Ratio Lower Upper
41 100
39 75.7 50.0 75.0#
76 0.0 28.2 42.2#



#16
Acetone
Concen: 5.451 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

Tgt Ion: 43 Resp: 10669
Ion Ratio Lower Upper
43 100
58 31.9 26.6 39.8

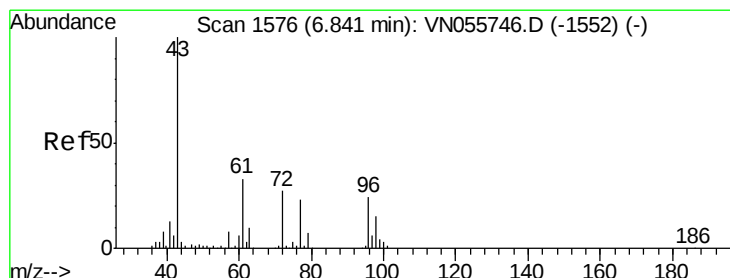
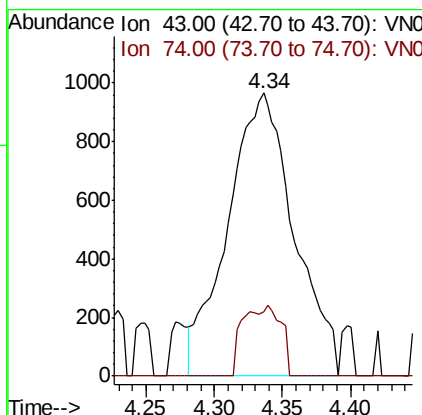
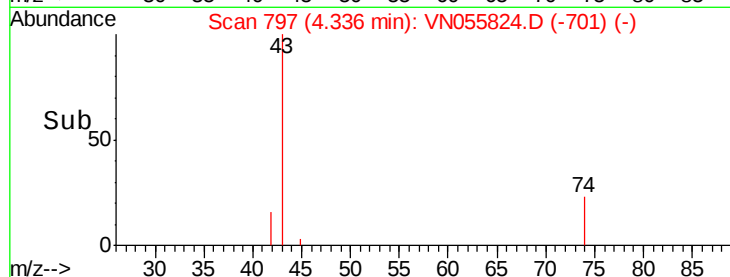
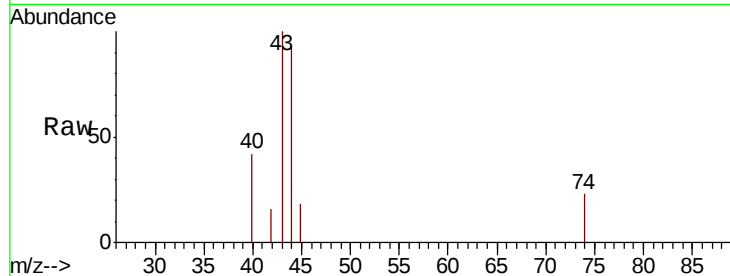




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

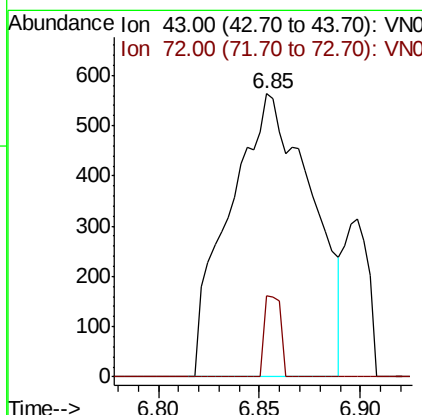
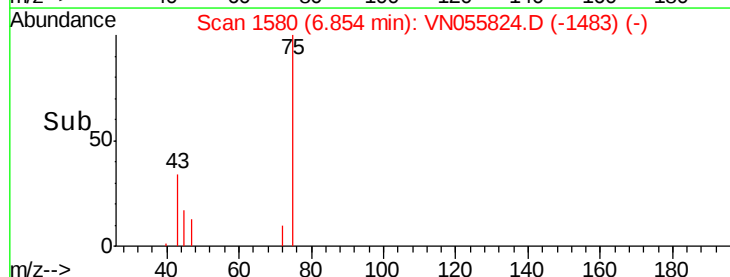
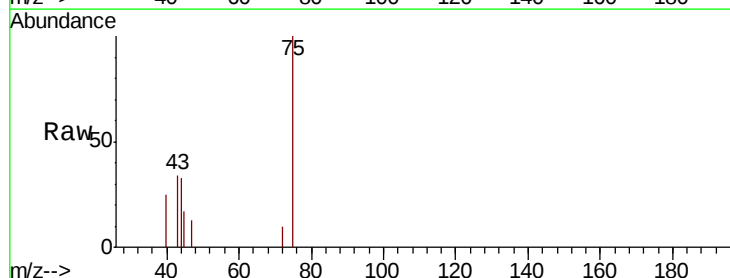
Instrument :
MSVOA_N
ClientSampled :
DUP-20190523

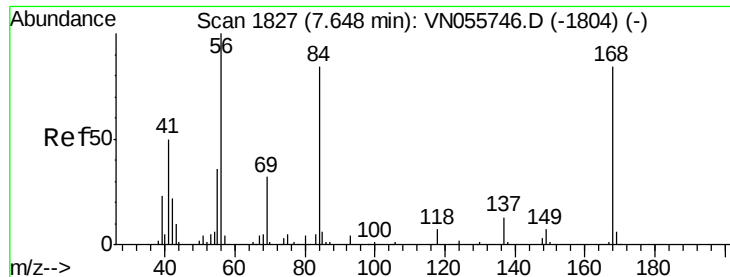
Tot Ion: 43 Resp: 3272
Ion Ratio Lower Upper
43 100
74 14.3 19.3 28.9#



#25
2-Butanone
Concen: 0.585 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

Tgt Ion: 43 Resp: 1598
Ion Ratio Lower Upper
43 100
72 28.8 21.9 32.9

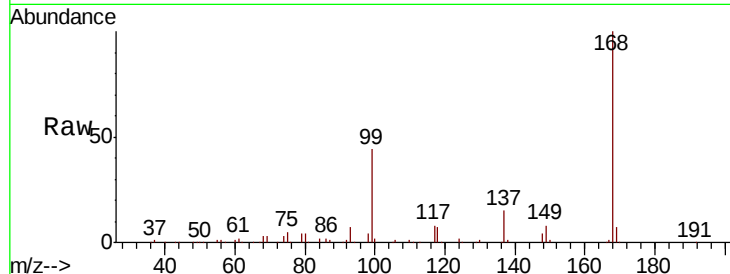




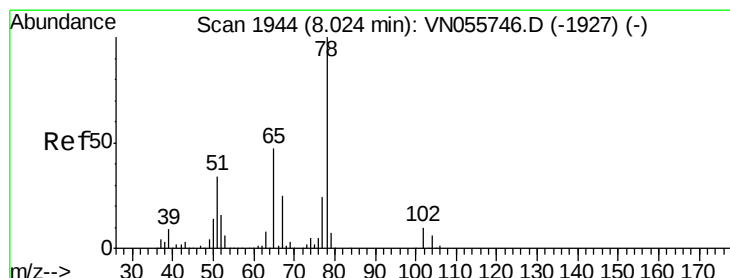
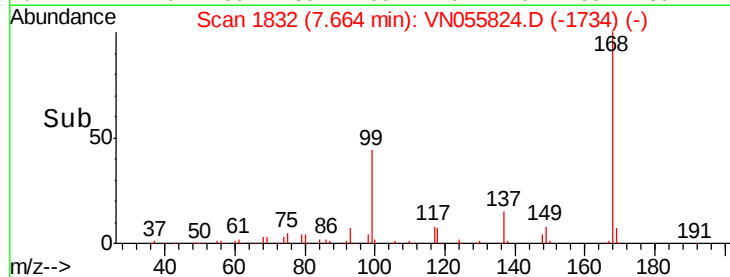
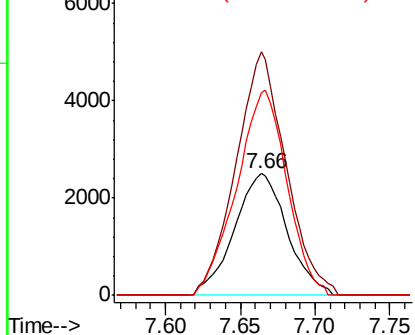
#31
Cyclohexane
Concen: 0.921 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

Instrument :
MSVOA_N
ClientSampleId :
DUP-20190523

Tot Ion: 56 Resp: 6153
Ion Ratio Lower Upper
56 100
69 199.7 25.6 38.4#
84 166.6 67.4 101.0#

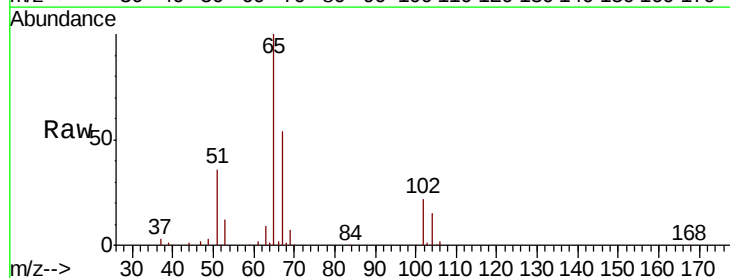


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

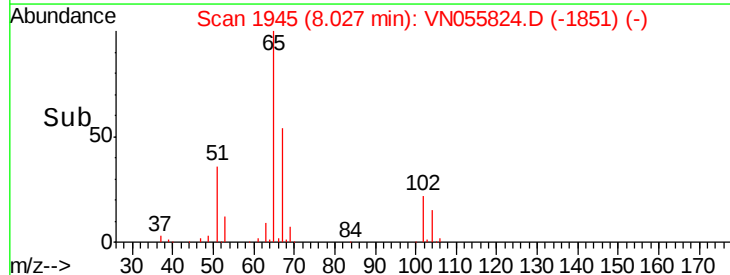
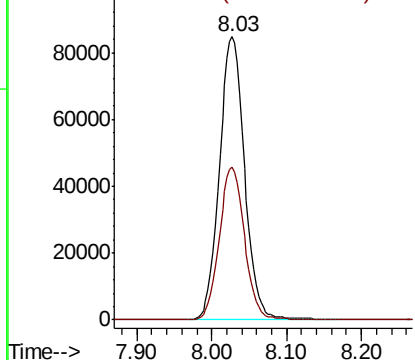


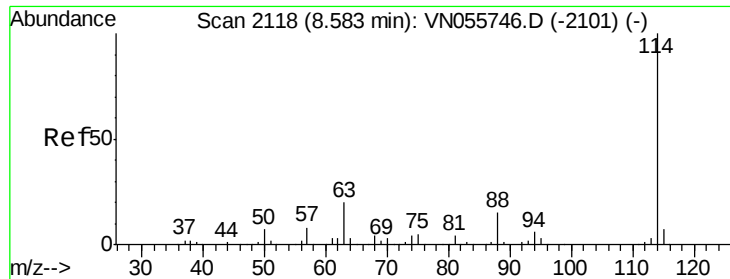
#33
1,2-Dichloroethane-d4
Concen: 44.246 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

Tgt Ion: 65 Resp: 196997
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.2



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

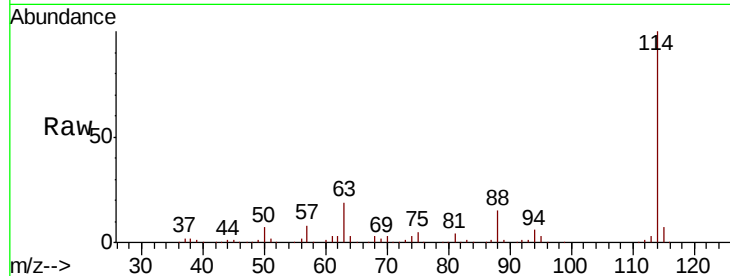




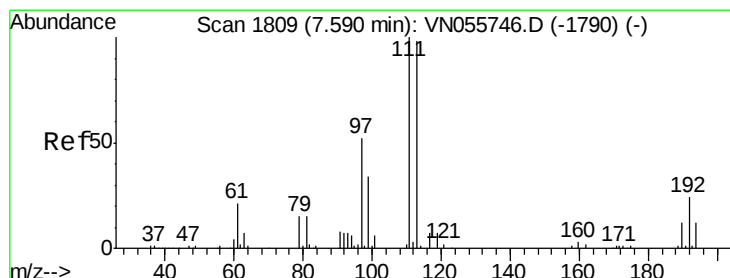
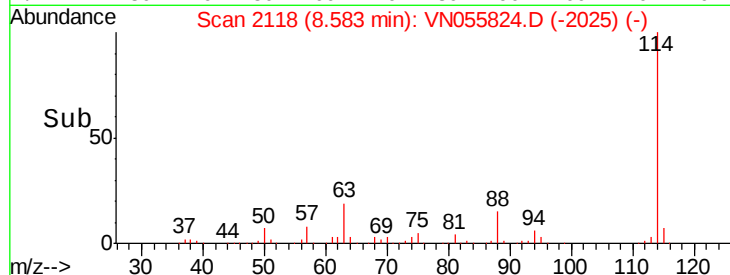
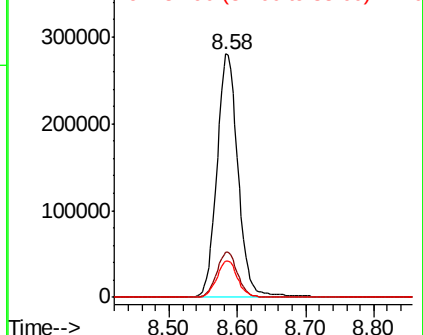
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

Instrument :
 MSVOA_N
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 DUP-20190523

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	39.2
88	15.0	0.0	31.0

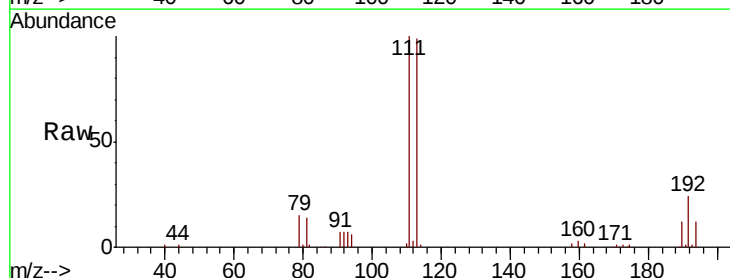


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

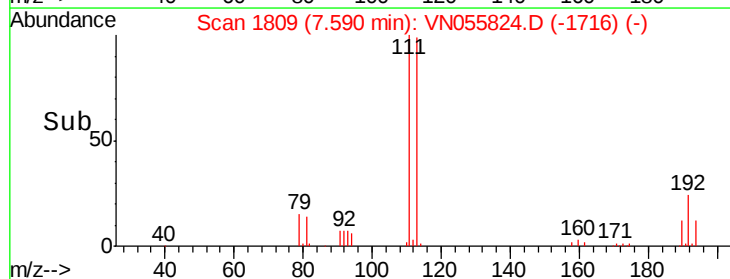
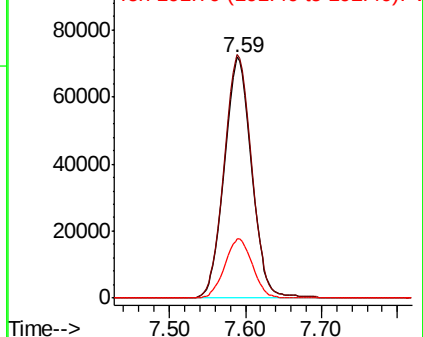


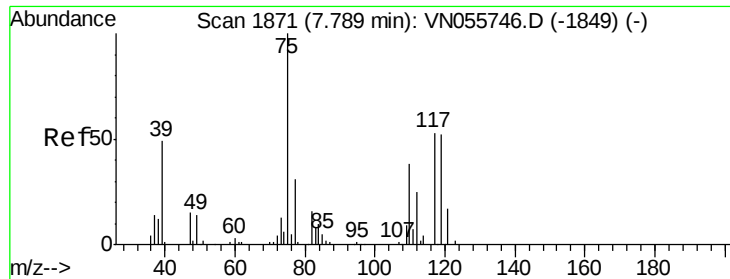
#35
 Dibromofluoromethane
 Concen: 47.101 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.9	122.9
192	24.9	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

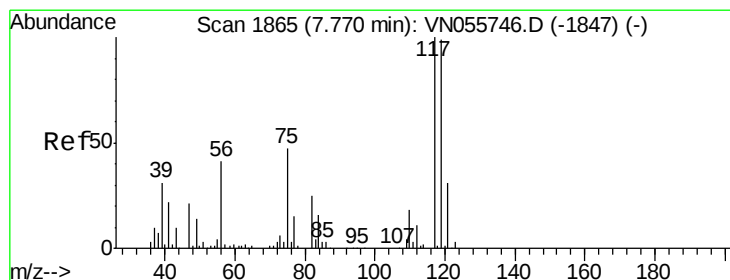
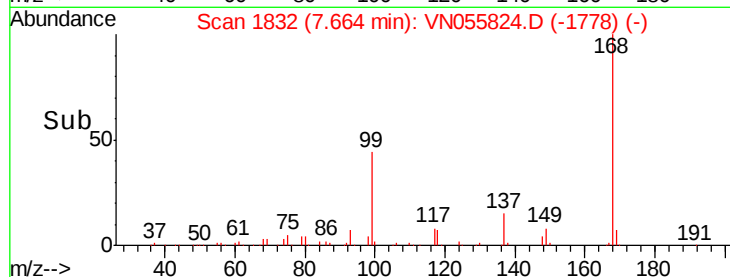
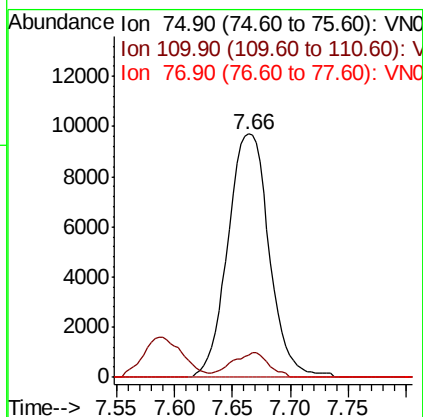
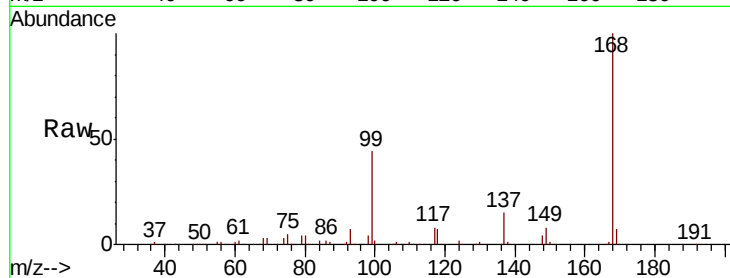




#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

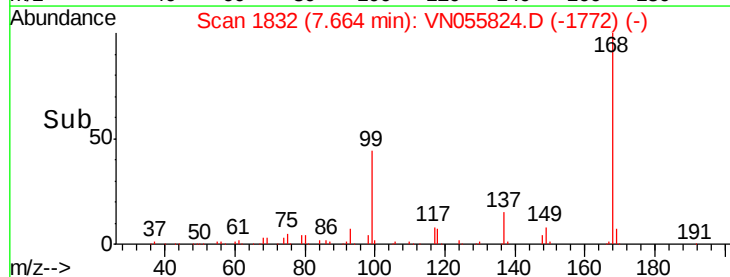
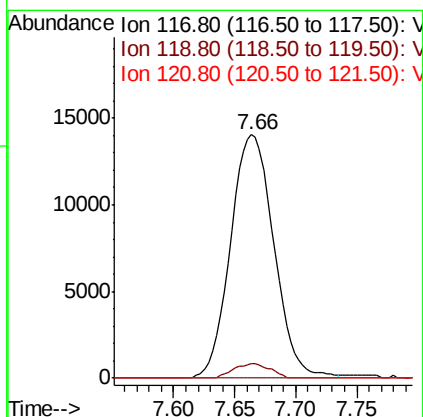
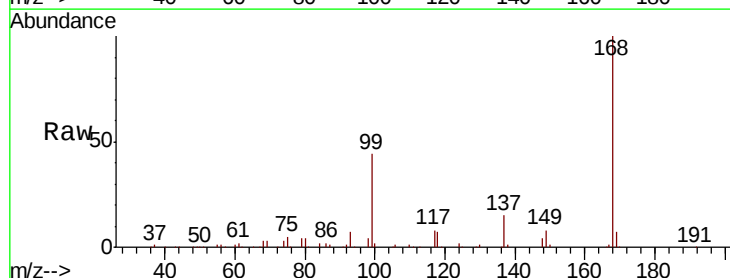
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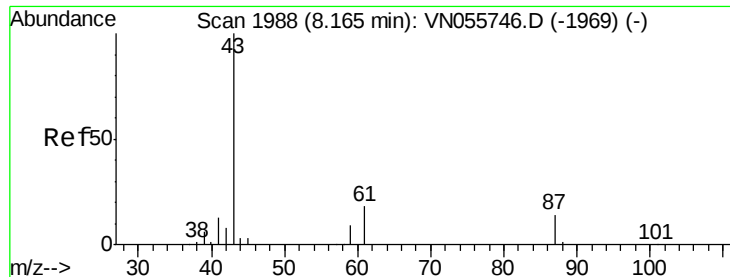
Tot Ion	75	Resp	24042
Ion Ratio	Lower	Upper	
75	100		
110	9.0	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.314 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

Tgt Ion	117	Resp	34627
Ion Ratio	Lower	Upper	
117	100		
119	5.7	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.380 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN055824.D

Acq: 25 May 2019 3:49

Instrument :

MSVOA_N

ClientSampleId :

DUP-20190523

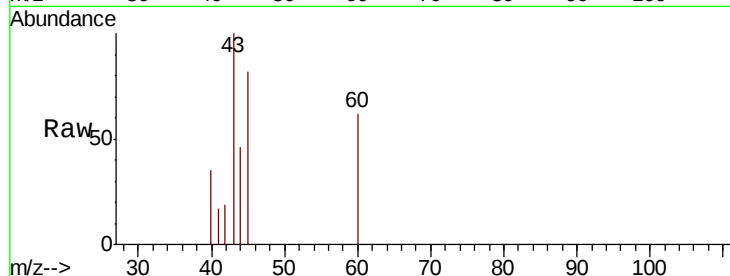
Tot Ion: 43 Resp: 3251

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

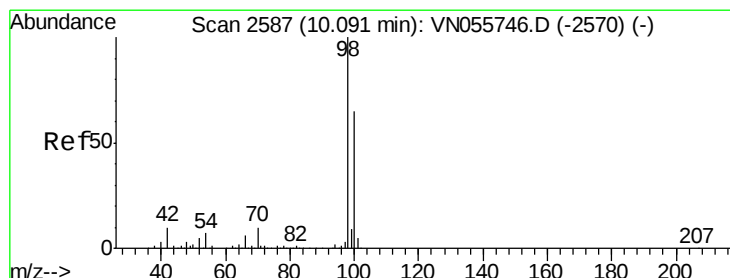
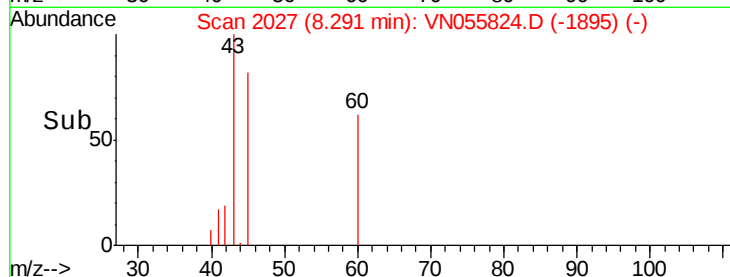
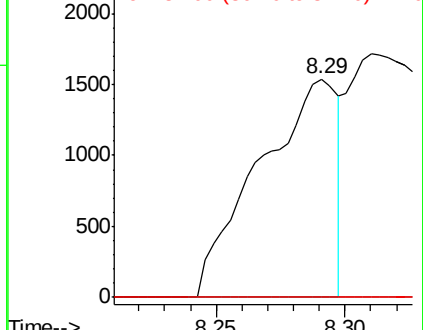
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.702 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055824.D

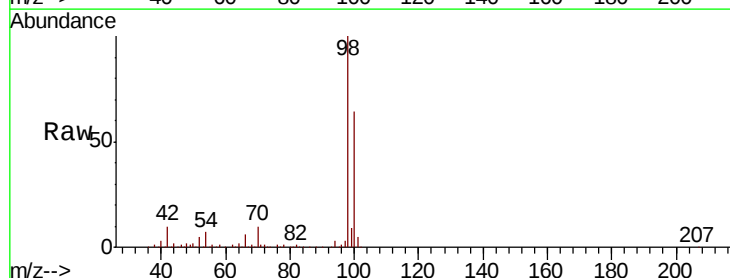
Acq: 25 May 2019 3:49

Tgt Ion: 98 Resp: 713553

Ion Ratio Lower Upper

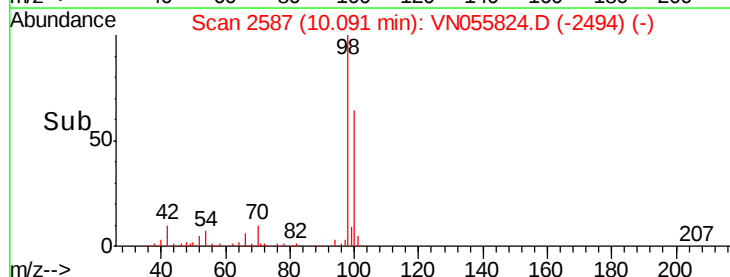
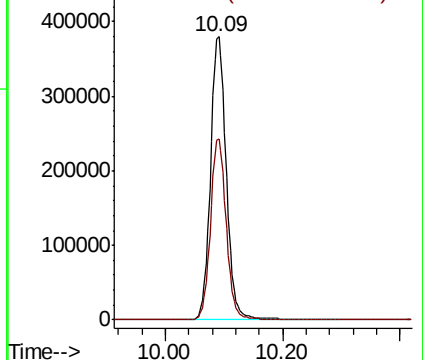
98 100

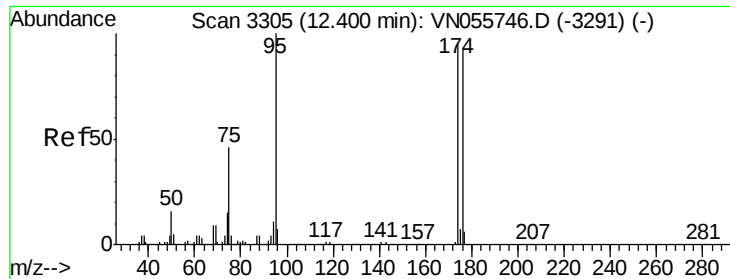
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

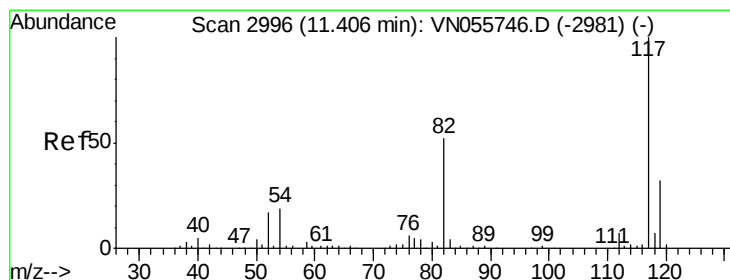
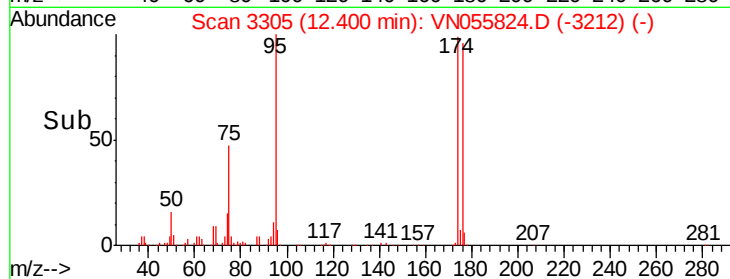
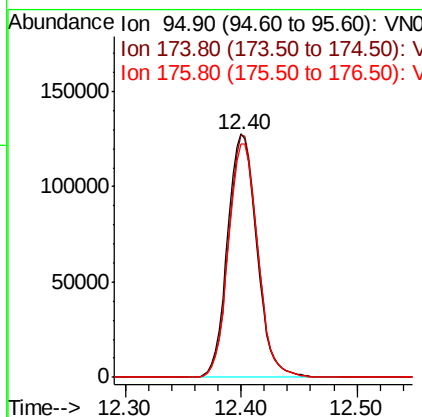
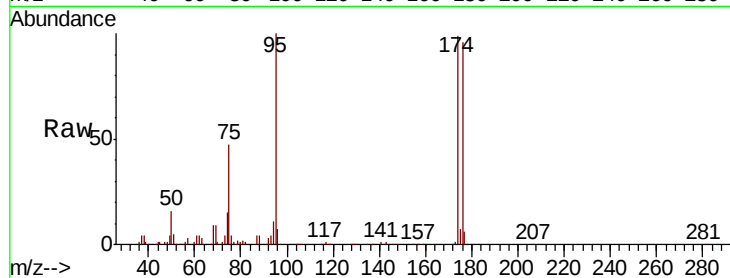




#62
4-Bromofluorobenzene
Concen: 44.434 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

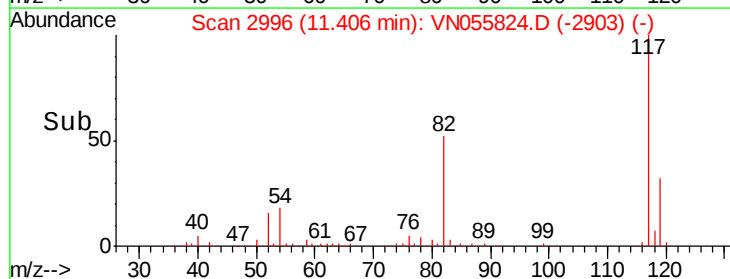
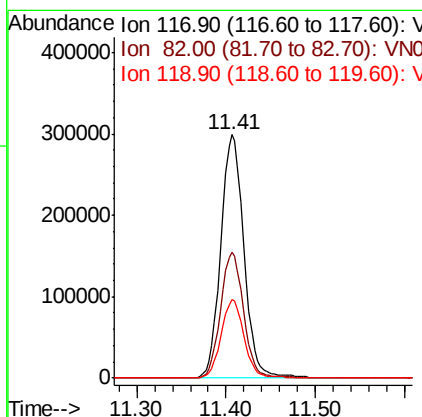
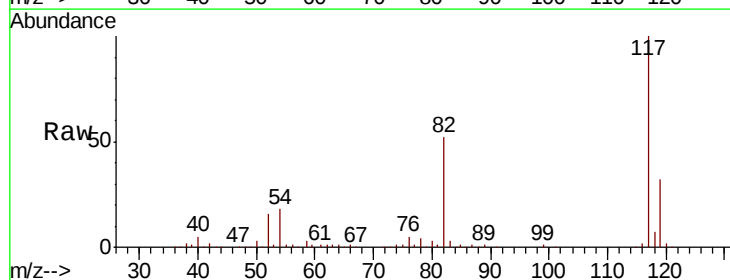
Instrument :
MSVOA_N
ClientSampleId :
DUP-20190523

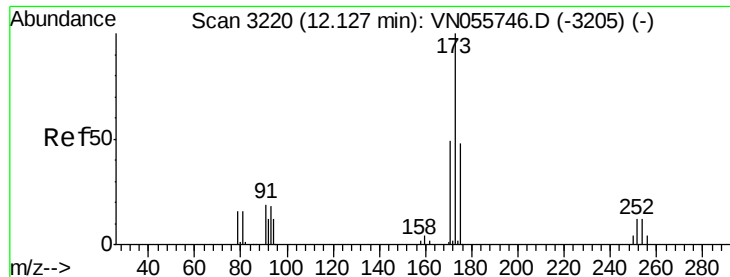
Tot Ion: 95 Resp: 223226
Ion Ratio Lower Upper
95 100
174 98.4 0.0 191.0
176 96.0 0.0 185.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055824.D
Acq: 25 May 2019 3:49

Tgt Ion: 117 Resp: 537800
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.2 25.4 38.0





#71

Bromoform

Concen: 0.426 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055824.D

Acq: 25 May 2019 3:49

Instrument :

MSVOA_N

ClientSampleId :

DUP-20190523

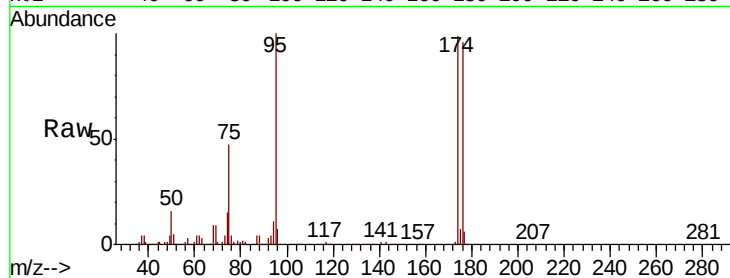
Tot Ion:173 Resp: 1560

Ion Ratio Lower Upper

173 100

175 877.8 24.3 72.8#

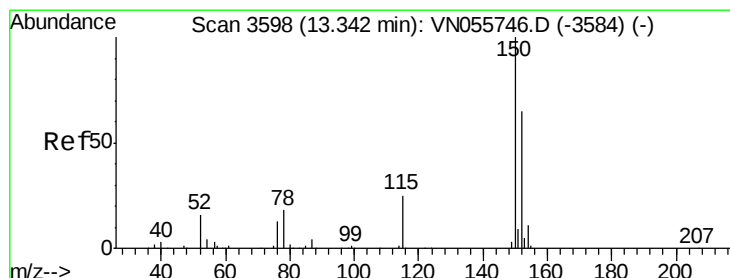
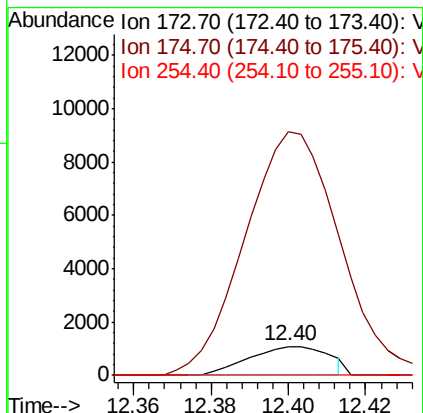
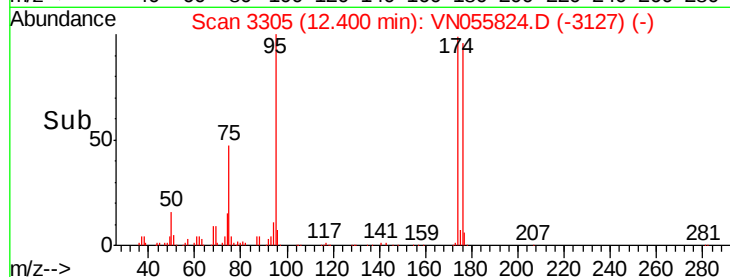
254 0.0 0.0 0.0



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: VN055824.D

Acq: 25 May 2019 3:49

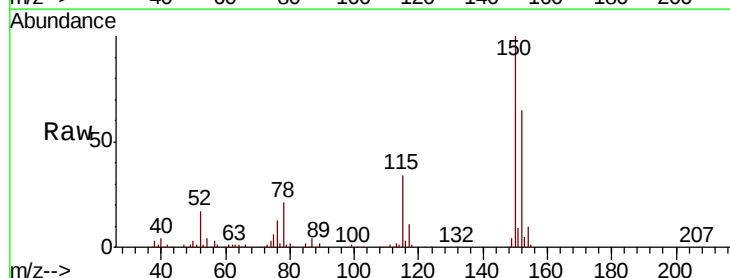
Tgt Ion:152 Resp: 187894

Ion Ratio Lower Upper

152 100

115 52.9 27.0 81.0

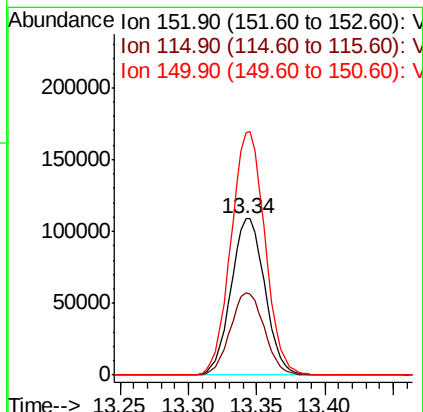
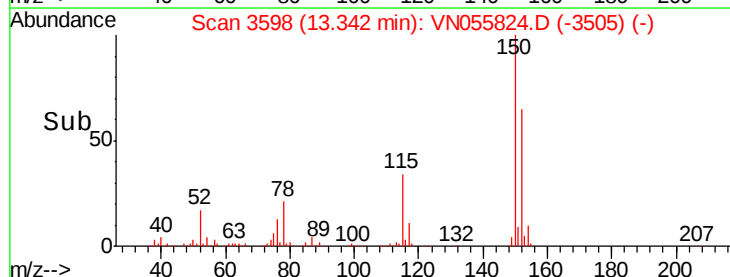
150 156.0 0.0 343.2

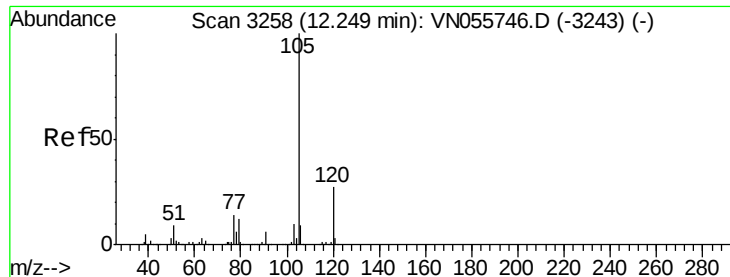


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.40 min Scan# 3304

Delta R.T. 0.15 min

Lab File: VN055824.D

Acq: 25 May 2019 3:49

Instrument :

MSVOA_N

ClientSampleId :

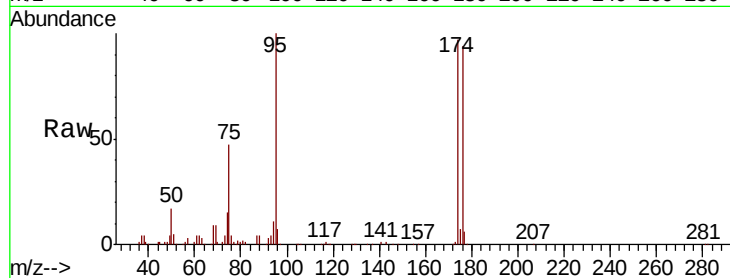
DUP-20190523

Tot Ion: 105 Resp: 208

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

12.40

200

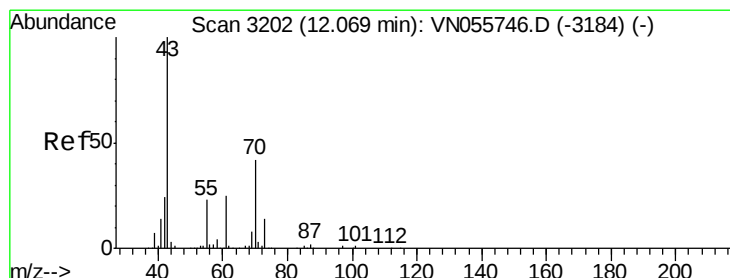
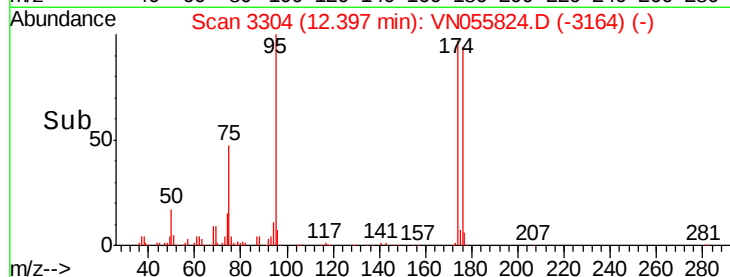
150

100

50

0

Time-->



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN055824.D

Acq: 25 May 2019 3:49

Tgt Ion: 43 Resp: 126

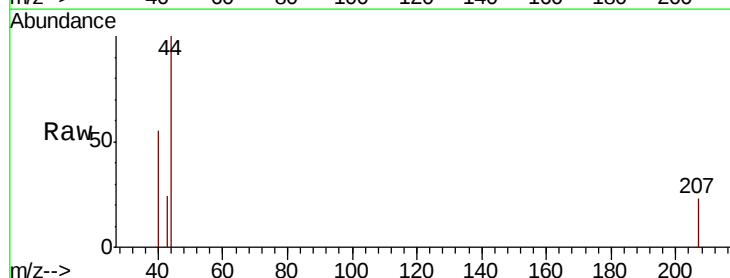
Ion Ratio Lower Upper

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): 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

250

200

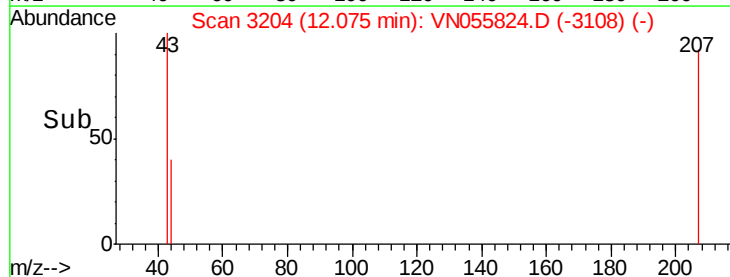
150

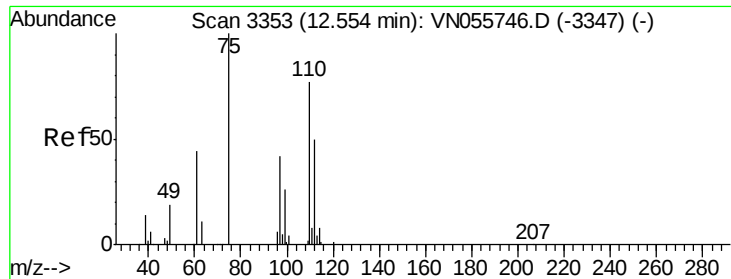
100

50

0

Time-->

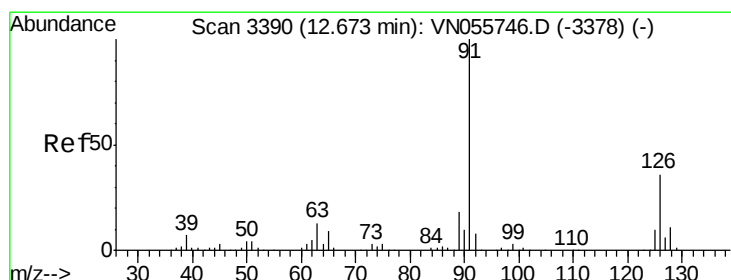
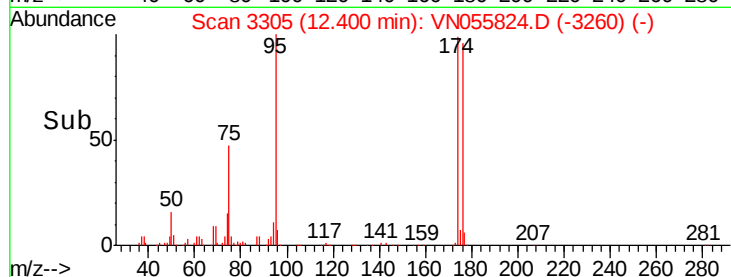
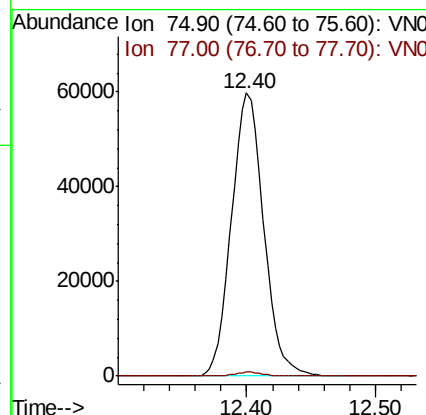
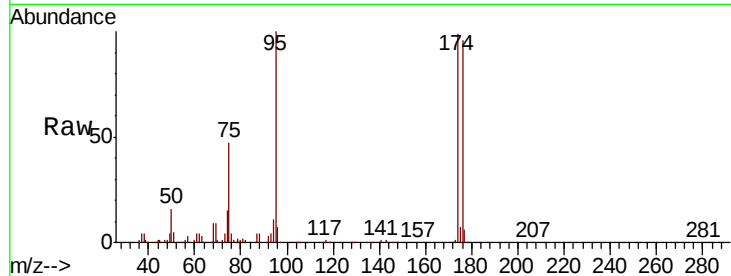




#76
 1,2,3-Trichloropropane
 Concen: 30.876 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

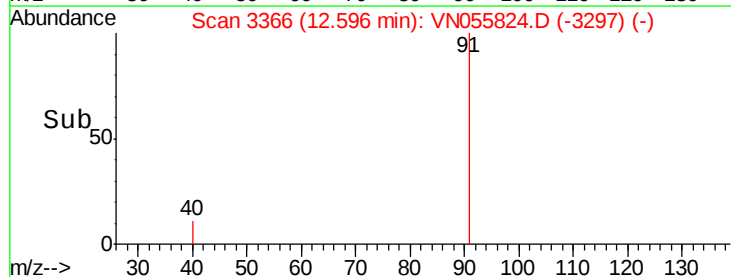
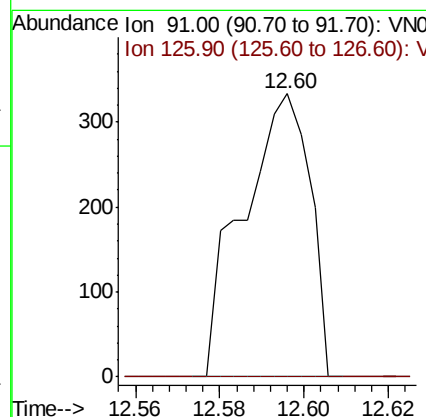
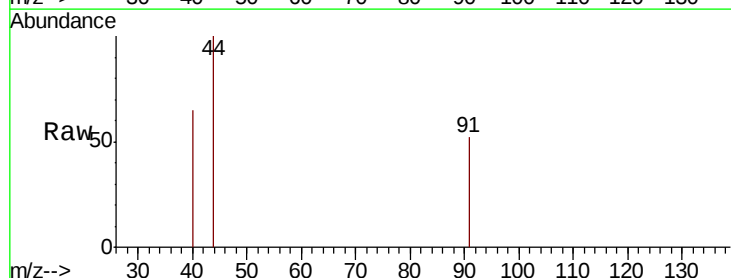
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-20190523

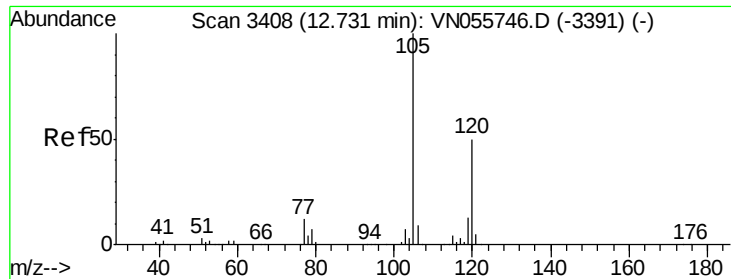
Tot Ion: 75 Resp: 103790
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.60 min Scan# 3366
 Delta R.T. -0.08 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

Tgt Ion: 91 Resp: 369
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.1 54.4#

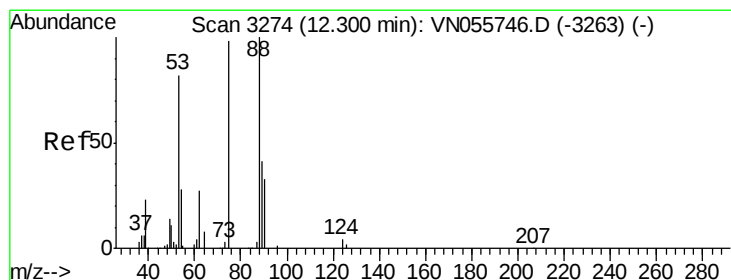
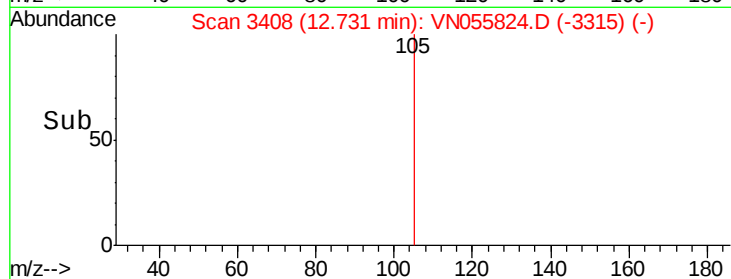
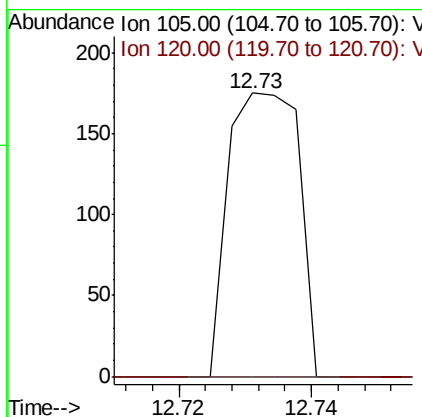
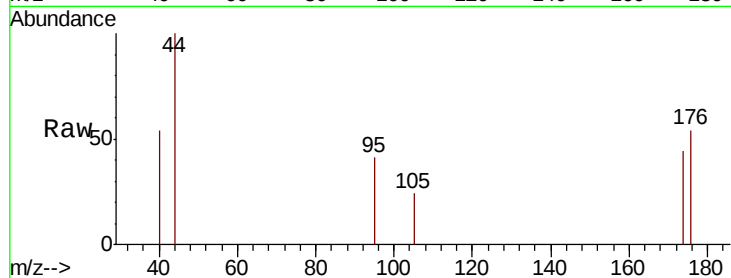




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

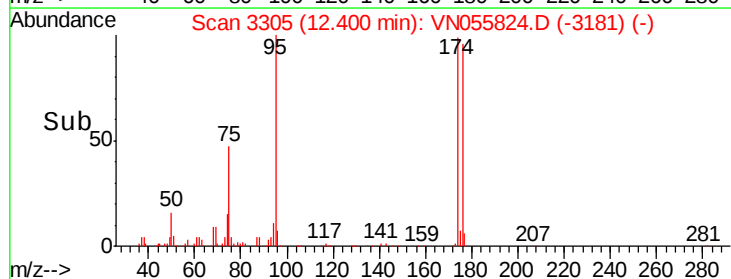
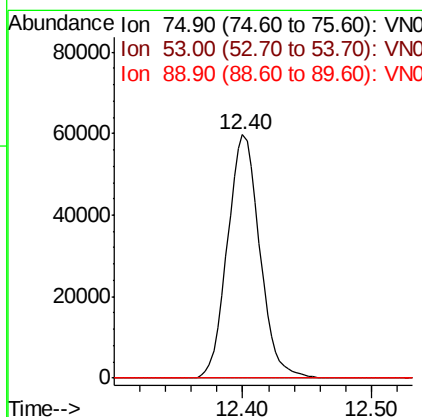
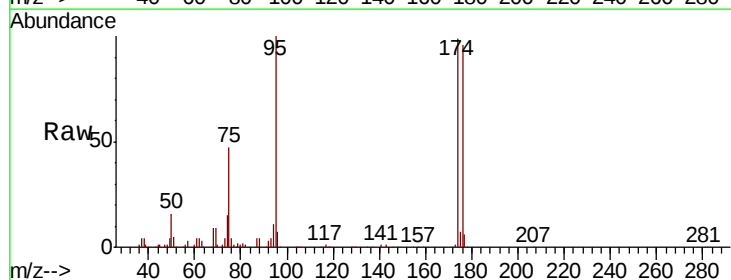
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-20190523

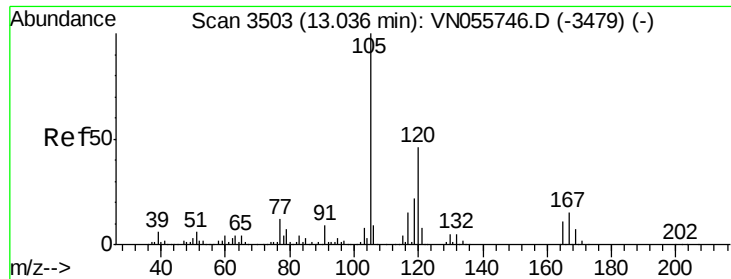
Tot Ion: 105 Resp: 129
 Ion Ratio Lower Upper
 105 100
 120 0.0 24.7 74.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.322 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

Tgt Ion: 75 Resp: 103790
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.1 102.1#
 89 0.0 36.9 55.3#

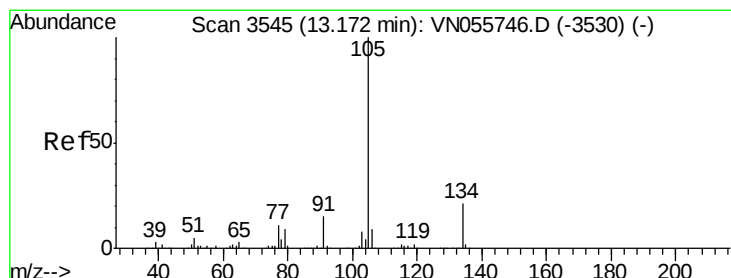
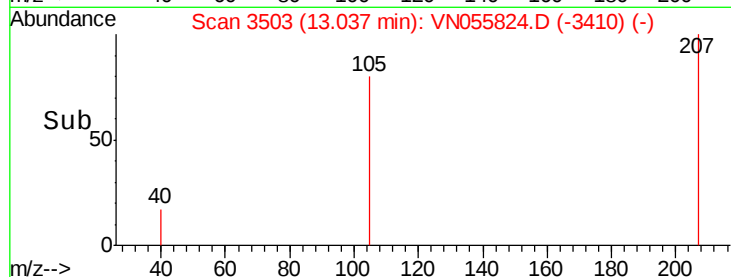
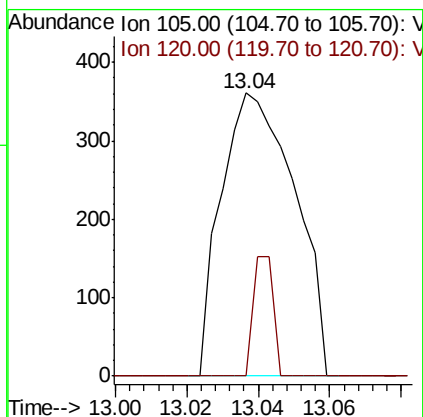
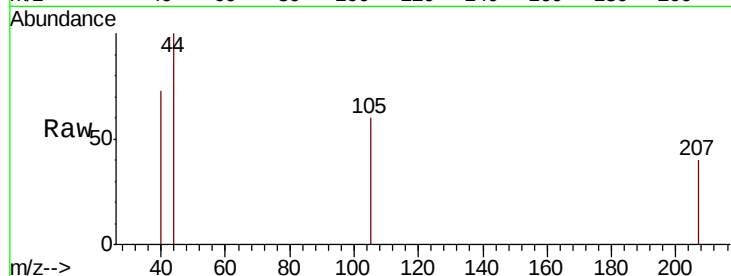




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-20190523

Tot Ion:105 Resp: 514
 Ion Ratio Lower Upper
 105 100
 120 11.5 23.0 69.0#



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN055824.D
 Acq: 25 May 2019 3:49

Tgt Ion:105 Resp: 172
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#

