

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057161.D
 Acq On : 9 Aug 2019 21:12
 Operator : JC/SP
 Sample : K4262-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

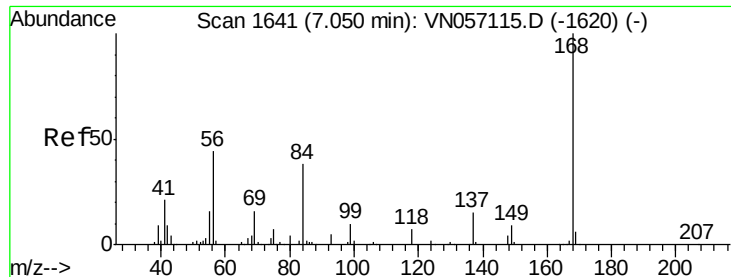
Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:34:56 PM

Quant Time: Aug 10 08:24:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1313599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1793735	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1457972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	345192	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	595442	44.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.16%	
35) Dibromofluoromethane	6.99	113	539162	47.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.80%	
50) Toluene-d8	9.56	98	2066336	47.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.92	95	526613	37.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.90%	
Target Compounds						
					Qvalue	
16) Acetone	3.48	43	12374	3.033	ug/l	94
17) Carbon Disulfide	3.72	76	12768	0.429	ug/l	98
18) Methyl Acetate	3.90	43	16528	0.712	ug/l	94
19) Methyl tert-butyl Ether	4.50	73	15224m	0.451	ug/l	
27) cis-1,2-Dichloroethene	6.21	96	7129	0.511	ug/l	84
44) Trichloroethene	8.27	130	64480	4.923	ug/l	89
64) Tetrachloroethene	10.11	164	1297901	107.042	ug/l	97
68) m/p-Xylenes	11.12	106	5977	0.321	ug/l	94
77) Bromobenzene	12.05	156	3039	0.366	ug/l	95
78) n-propylbenzene	12.11	91	10163	0.307	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	7096	0.266	ug/l	77
82) 4-Chlorotoluene	12.30	91	9791	0.511	ug/l	94
84) 1,2,4-Trimethylbenzene	12.57	105	9698	0.376	ug/l	89
85) sec-Butylbenzene	12.70	105	9567	0.318	ug/l	97
86) p-Isopropyltoluene	12.82	119	10815	0.410	ug/l	94
87) 1,3-Dichlorobenzene	12.81	146	7455	0.631	ug/l	84
88) 1,4-Dichlorobenzene	12.90	146	9340m	0.835	ug/l	
89) n-Butylbenzene	13.15	91	12121	0.665	ug/l	91
91) 1,2-Dichlorobenzene	13.19	146	10629	0.901	ug/l	94
95) Naphthalene	14.67	128	19672	5.000	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

Tot Ion:168 Resp: 1313599

Ion Ratio Lower Upper

168 100

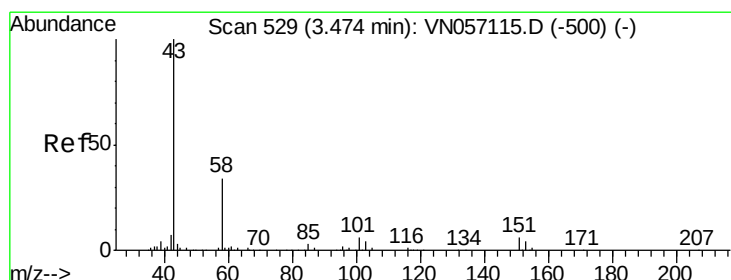
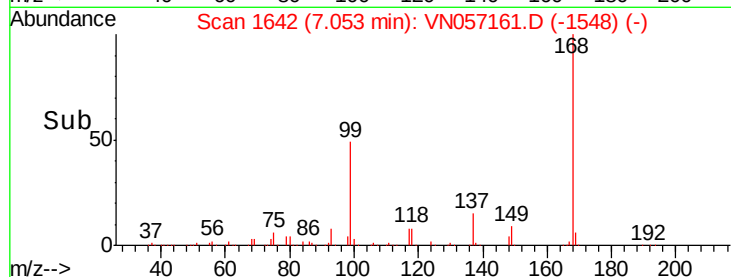
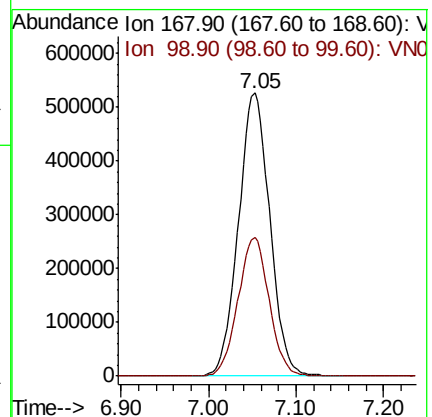
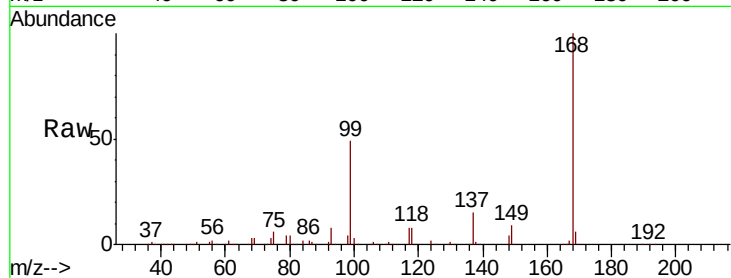
99 48.9 38.6 57.8

Manual Integrations

APPROVED

MMDadoda

8/12/2019 3:34:56 PM



#16

Acetone

Concen: 3.033 ug/l

RT: 3.48 min Scan# 532

Delta R.T. 0.01 min

Lab File: VN057161.D

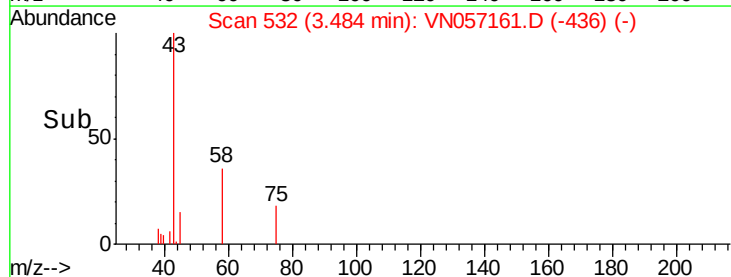
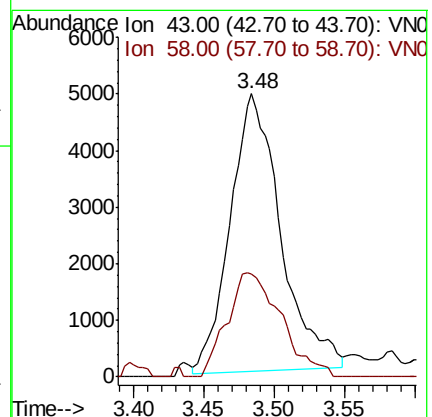
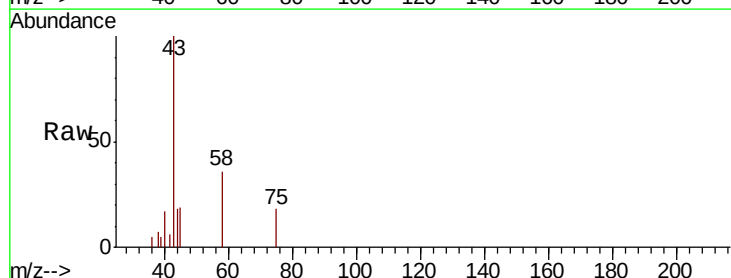
Acq: 9 Aug 2019 21:12

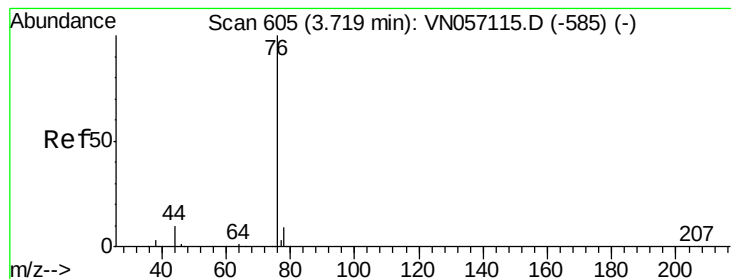
Tgt Ion: 43 Resp: 12374

Ion Ratio Lower Upper

43 100

58 37.7 27.4 41.2





#17

Carbon Disulfide

Concen: 0.429 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

Tot Ion: 76 Resp: 12768

Ion Ratio Lower Upper

76 100

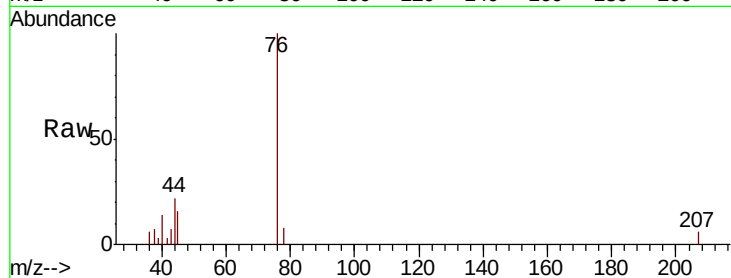
78 8.2 7.0 10.6

Manual Integrations

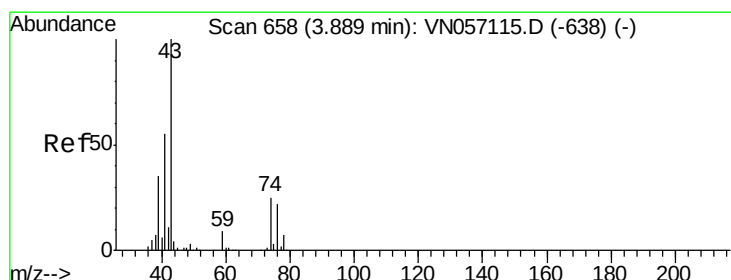
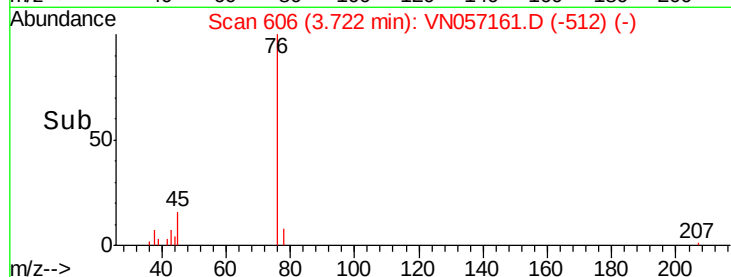
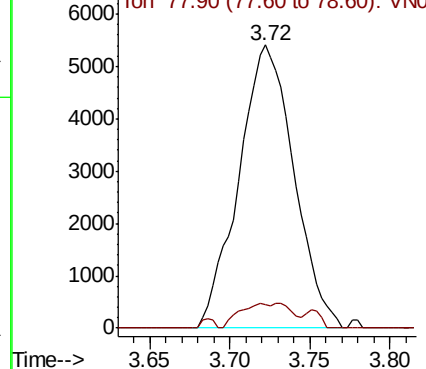
APPROVED

MMDadoda

8/12/2019 3:34:56 PM



Abundance Ion 75.90 (75.60 to 76.60): VN057161.D (-512) (-)



#18

Methyl Acetate

Concen: 0.712 ug/l

RT: 3.90 min Scan# 662

Delta R.T. 0.01 min

Lab File: VN057161.D

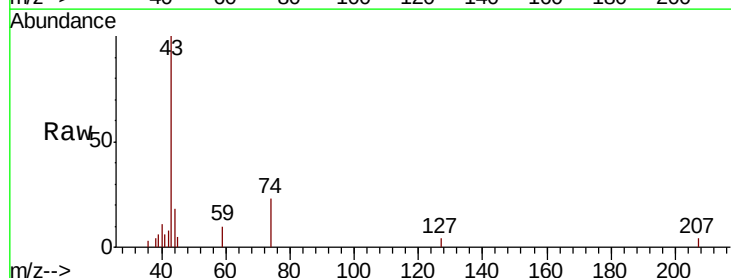
Acq: 9 Aug 2019 21:12

Tgt Ion: 43 Resp: 16528

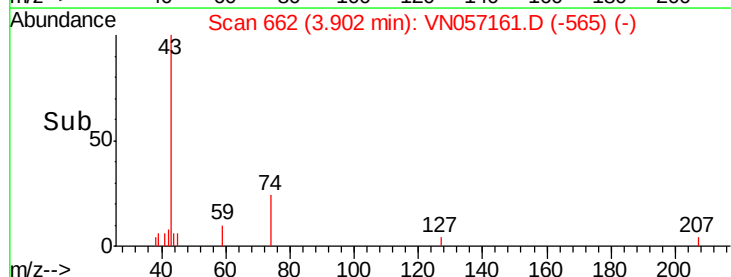
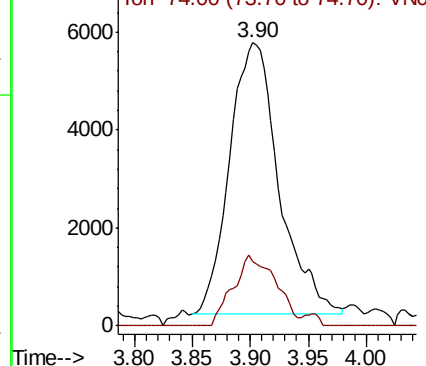
Ion Ratio Lower Upper

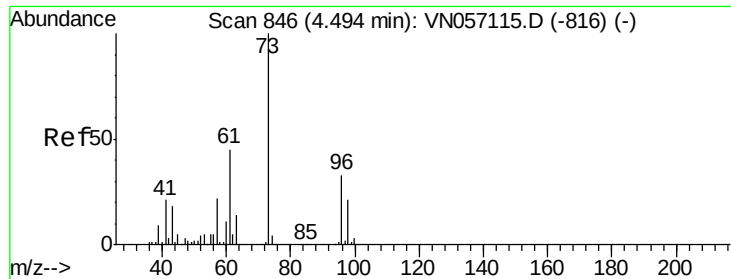
43 100

74 22.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN057161.D (-565) (-)





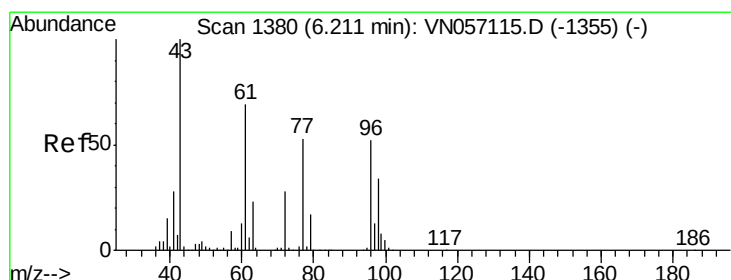
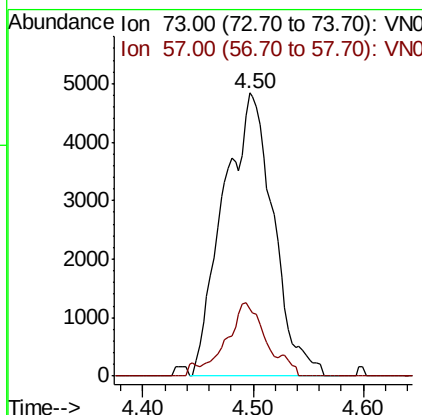
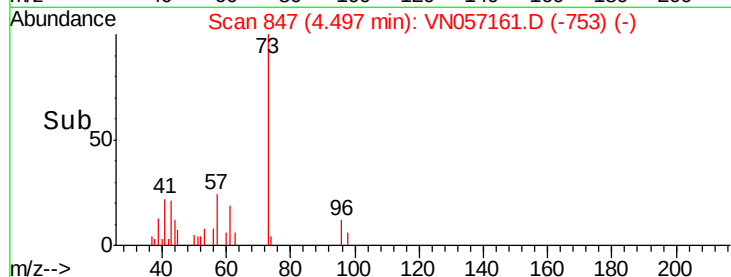
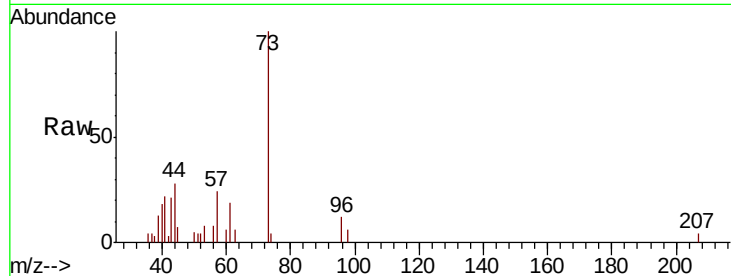
#19
Methyl tert-butyl Ether
Concen: 0.451 ug/l m
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

Tot Ion: 73 Resp: 15224
Ion Ratio Lower Upper
73 100
57 23.7 18.0 27.0

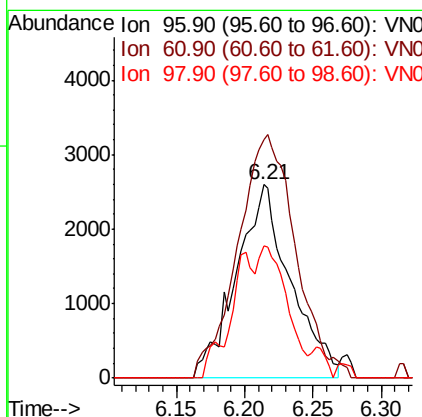
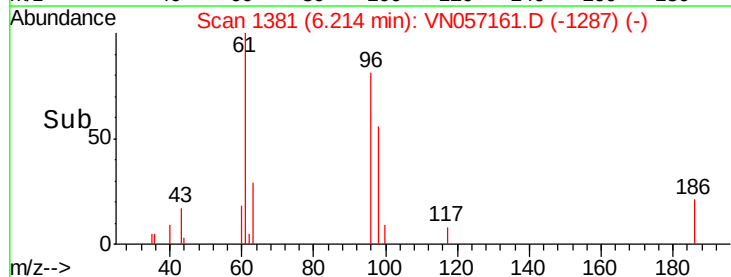
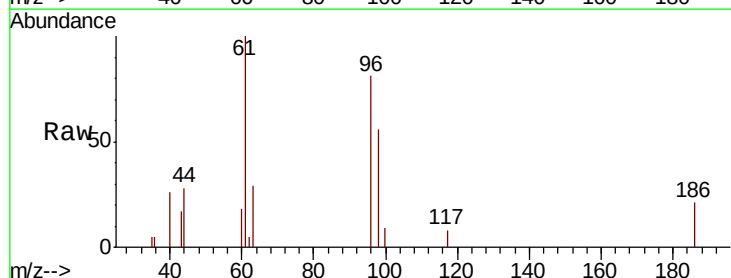
Manual Integrations
APPROVED

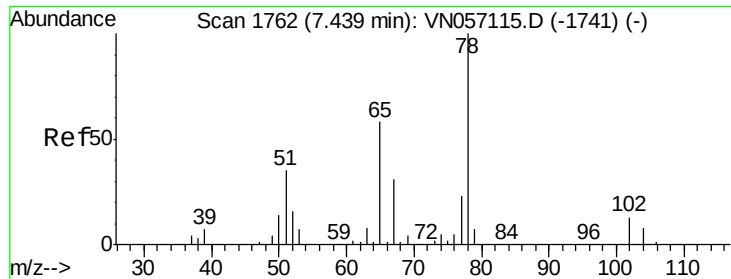
MMDadoda
8/12/2019 3:34:56 PM



#27
cis-1,2-Dichloroethene
Concen: 0.511 ug/l
RT: 6.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion: 96 Resp: 7129
Ion Ratio Lower Upper
96 100
61 134.7 0.0 273.4
98 29.5 0.0 130.4





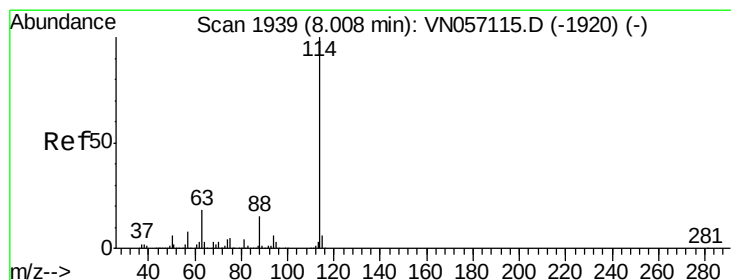
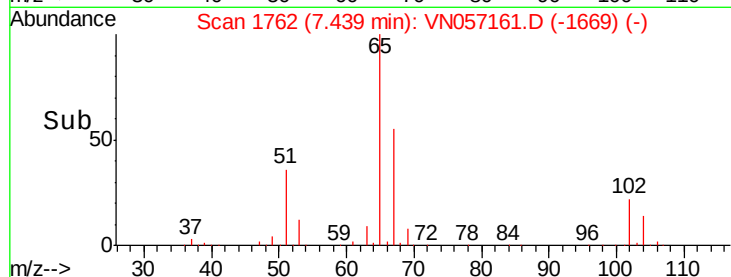
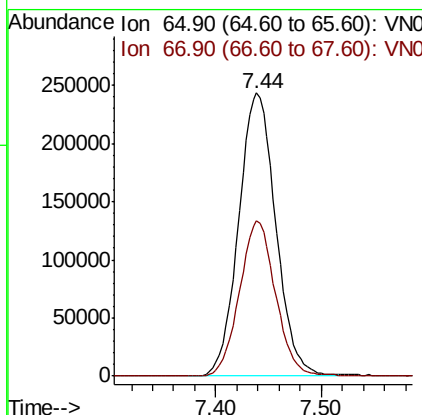
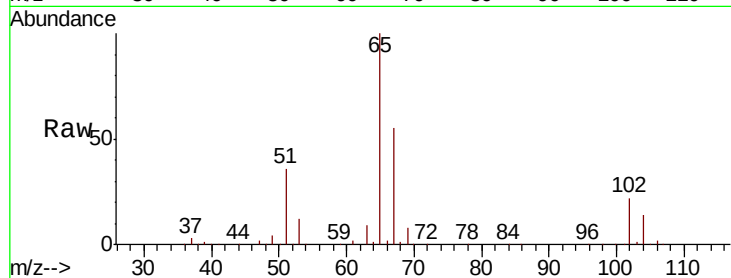
#33
 1,2-Dichloroethane-d4
 Concen: 44.076 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

Tot Ion	Ratio	Resp	Lower	Upper
65	100	595442		
67	53.3	0.0	108.2	

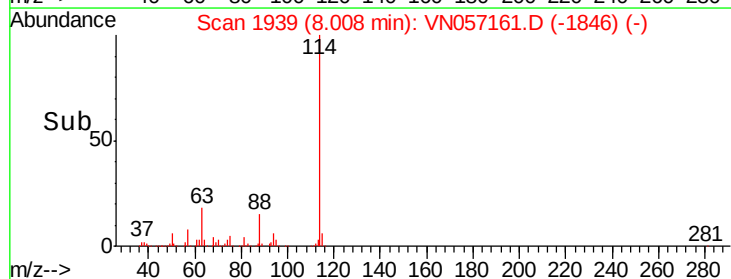
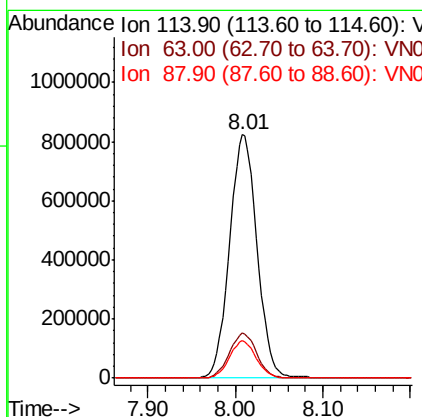
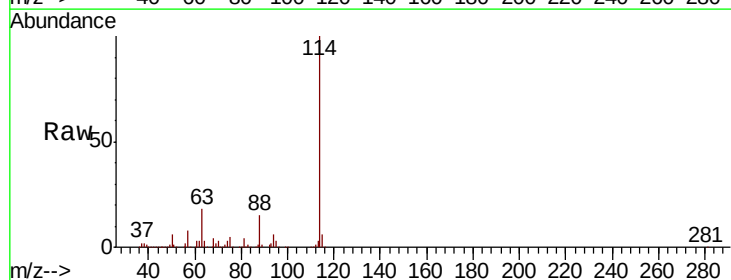
Manual Integrations
 APPROVED

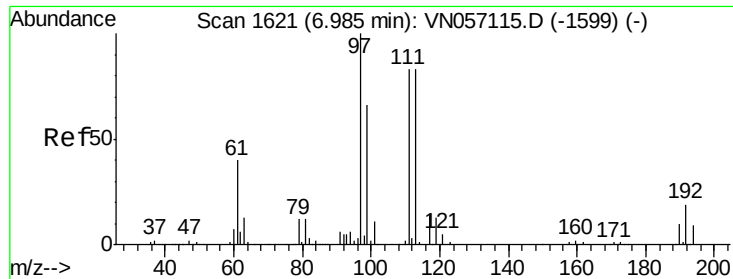
MMDadoda
 8/12/2019 3:34:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1793735		
63	18.5	0.0	36.2	
88	15.2	0.0	30.0	





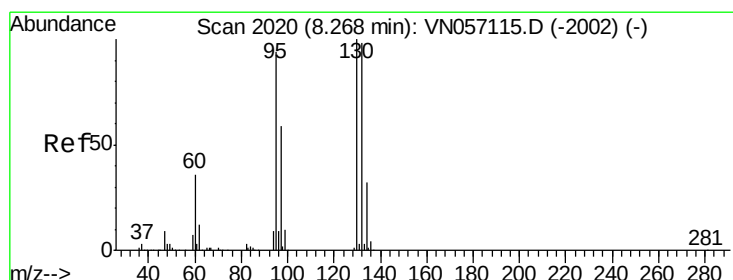
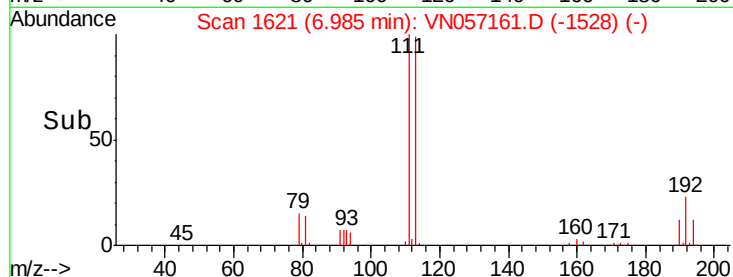
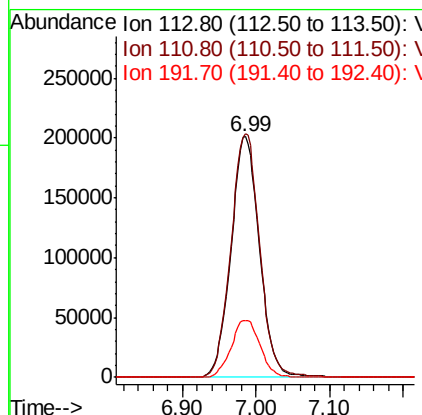
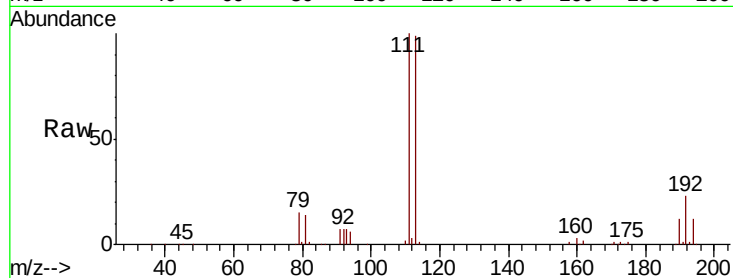
#35
 Dibromofluoromethane
 Concen: 47.900 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

Tot Ion	Ratio	Resp	Lower	Upper
113	100	539162		
111	102.3	81.3	121.9	
192	24.1	19.0	28.4	

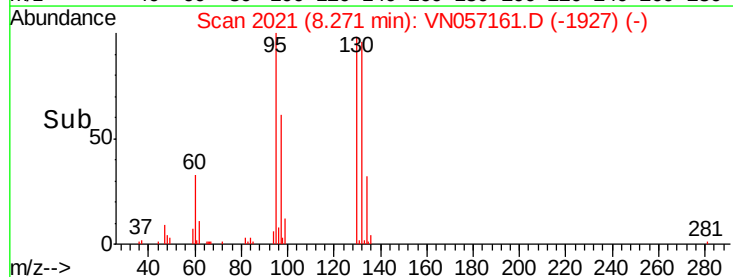
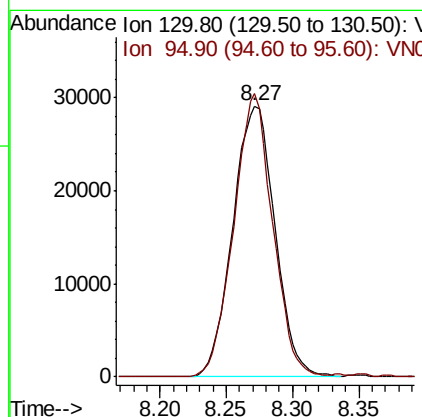
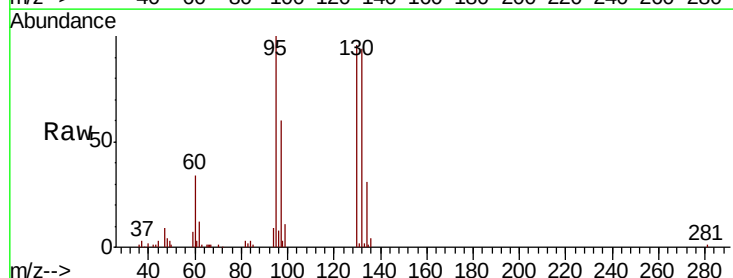
Manual Integrations
 APPROVED

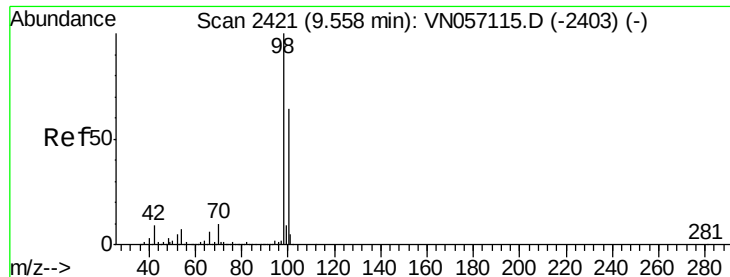
MMDadoda
 8/12/2019 3:34:56 PM



#44
 Trichloroethene
 Concen: 4.923 ug/l
 RT: 8.27 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	64480		
95	104.5	0.0	187.4	





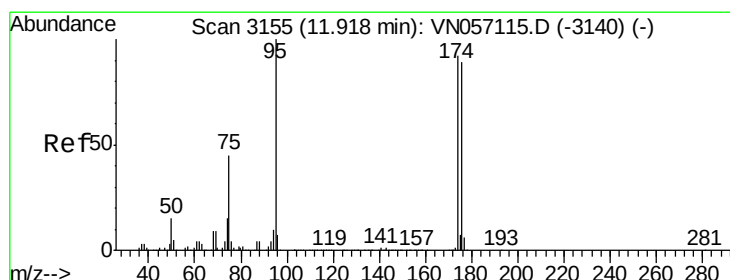
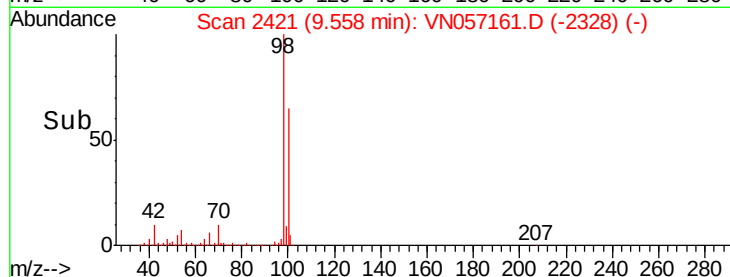
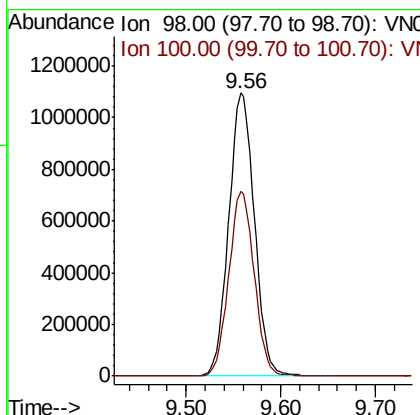
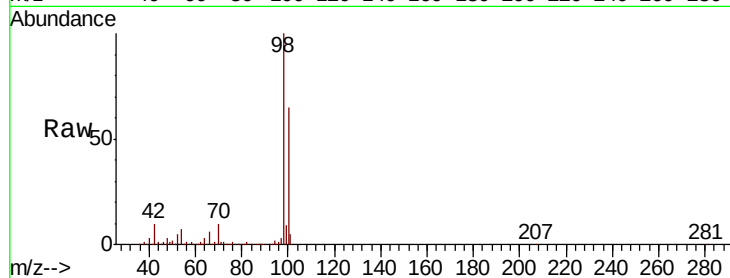
#50
Toluene-d8
Concen: 47.984 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

Tot Ion: 98 Resp: 2066336
Ion Ratio Lower Upper
98 100
100 64.7 51.2 76.8

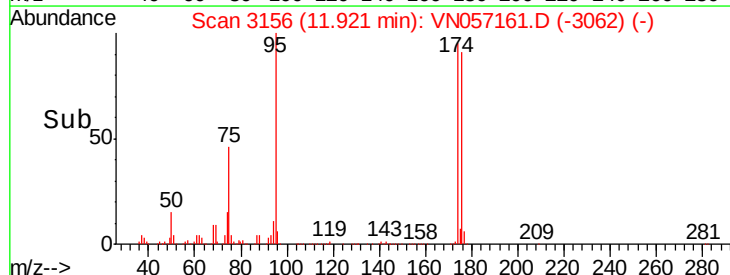
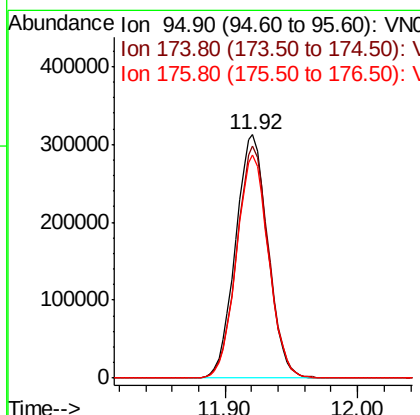
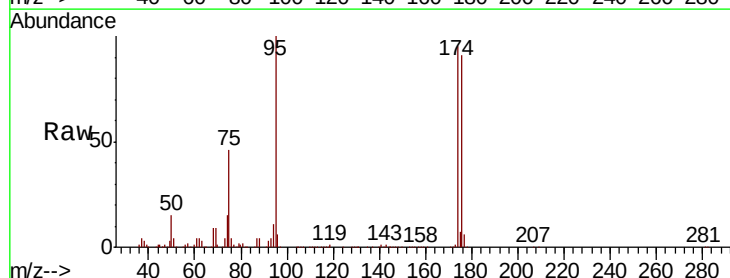
Manual Integrations
APPROVED

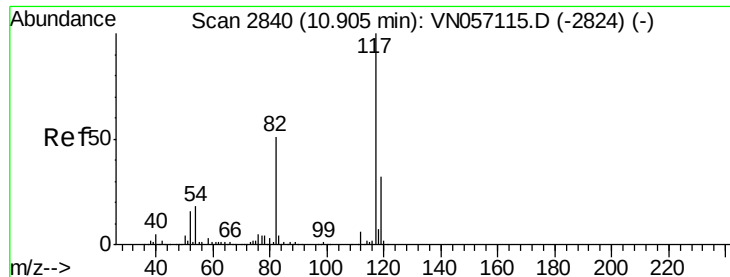
MMDadoda
8/12/2019 3:34:56 PM



#62
4-Bromofluorobenzene
Concen: 37.953 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion: 95 Resp: 526613
Ion Ratio Lower Upper
95 100
174 95.0 0.0 185.0
176 91.4 0.0 181.2





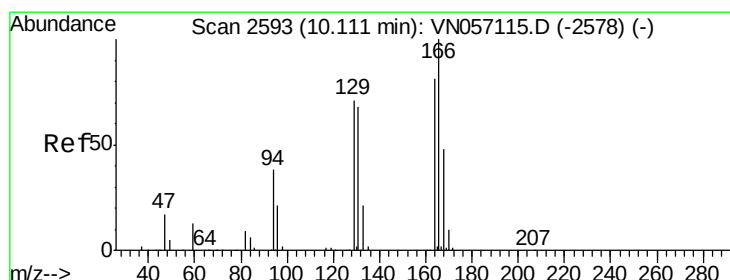
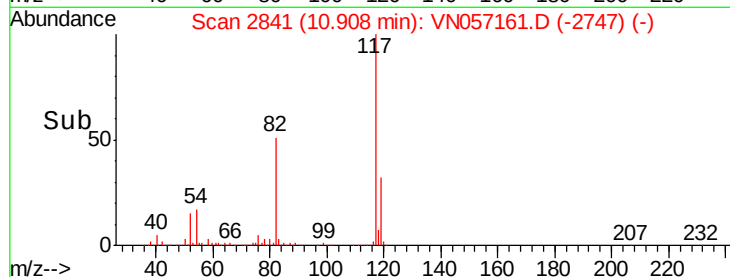
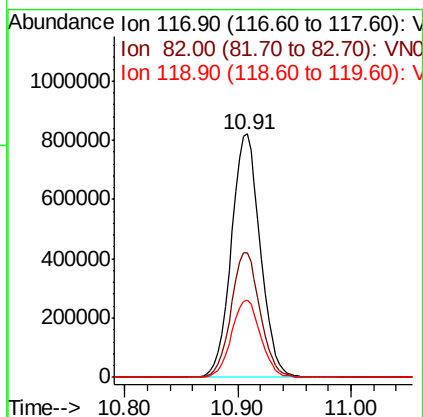
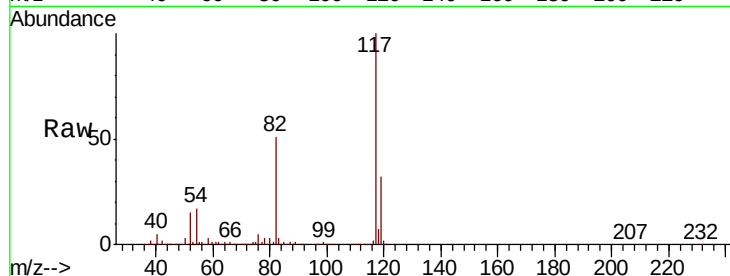
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.8	61.2
119	31.9	25.7	38.5

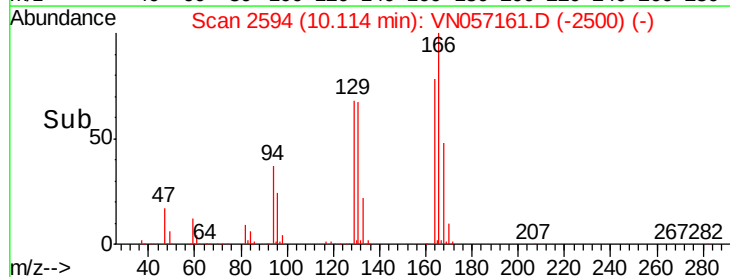
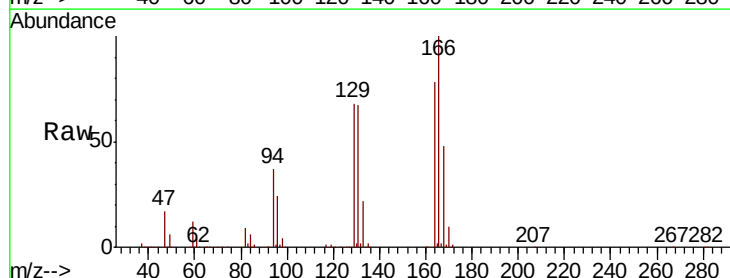
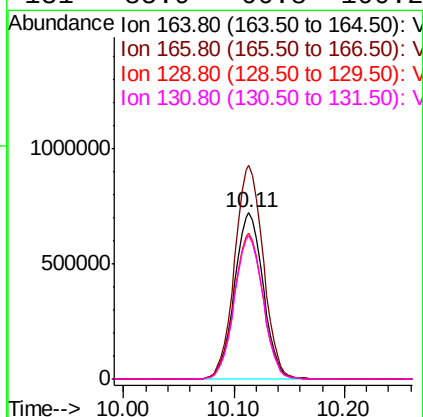
Manual Integrations
APPROVED

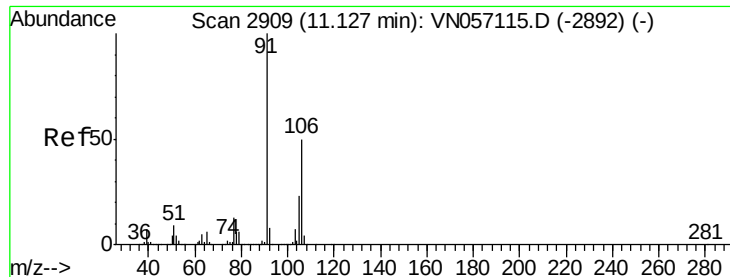
MMDadoda
8/12/2019 3:34:56 PM



#64
Tetrachloroethene
Concen: 107.042 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	98.3	147.5
129	87.5	69.8	104.6
131	85.9	66.8	100.2





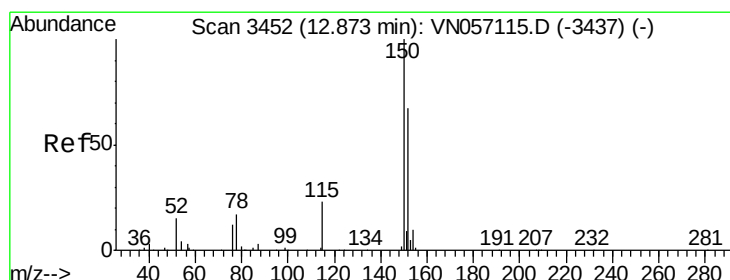
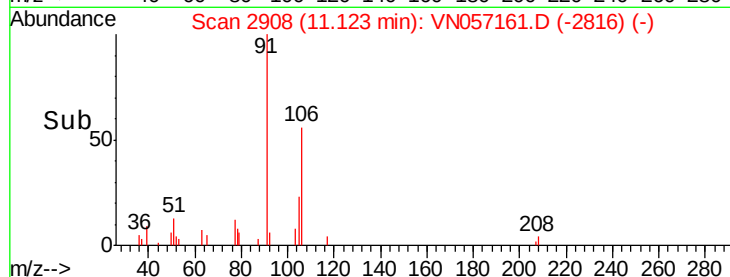
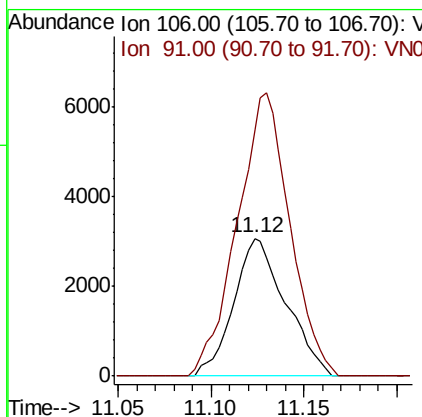
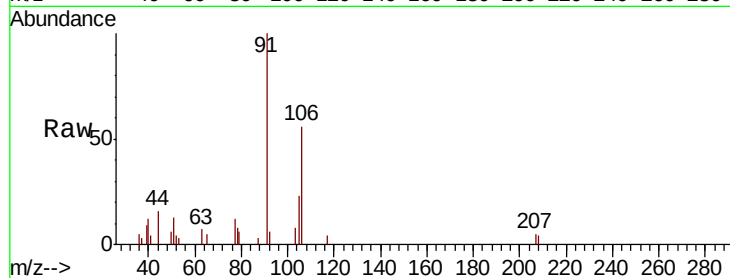
#68
m/p-Xylenes
Concen: 0.321 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	159.8	239.8

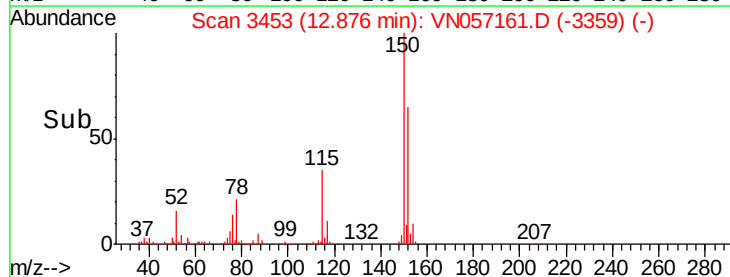
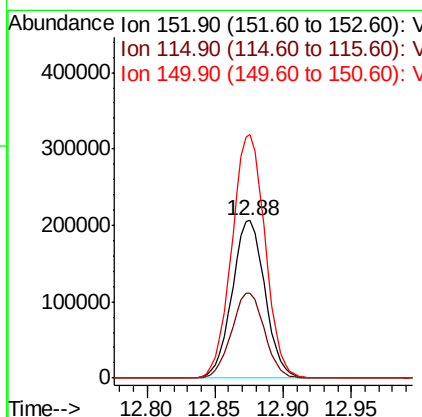
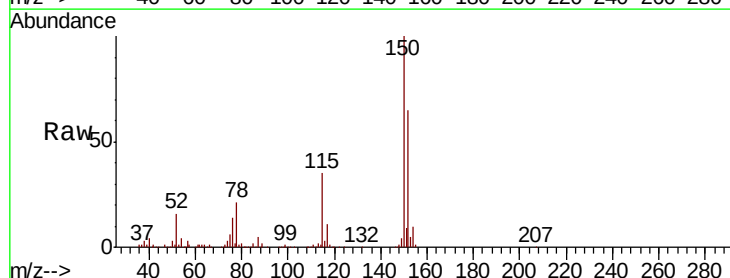
Manual Integrations
APPROVED

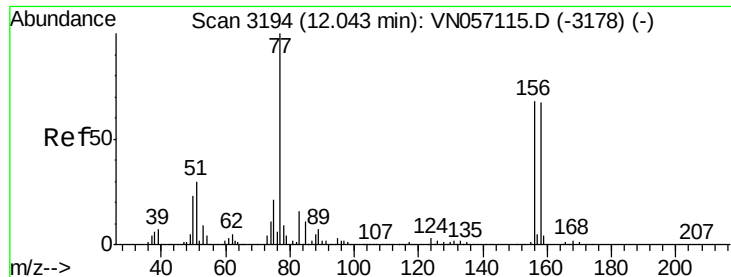
MMDadoda
8/12/2019 3:34:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.88 min Scan# 3453
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.5	82.5
150	155.6	0.0	341.6





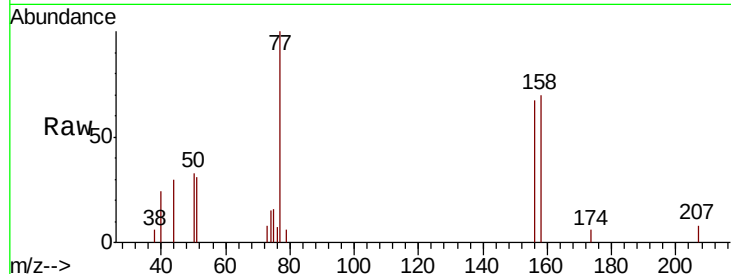
#77
Bromobenzene
Concen: 0.366 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Instrument :
MSVOA_N
ClientSampleId :
MW-22D_080819

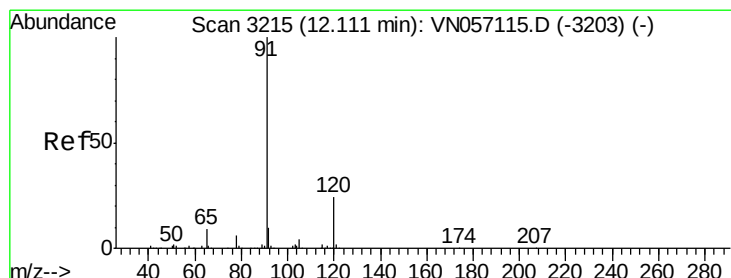
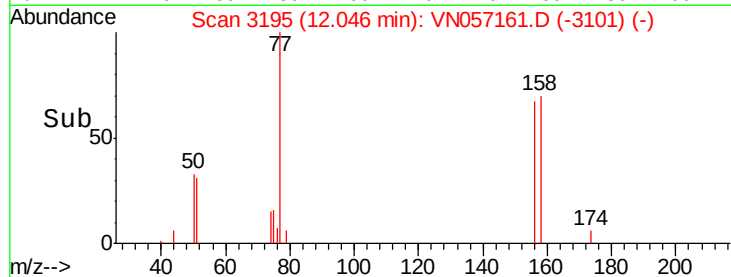
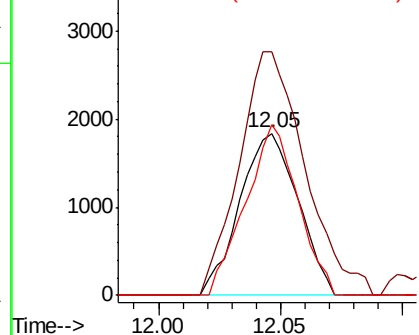
Tot Ion	Ratio	Lower	Upper
156	100		
77	170.4	88.7	266.1
158	94.9	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:34:56 PM

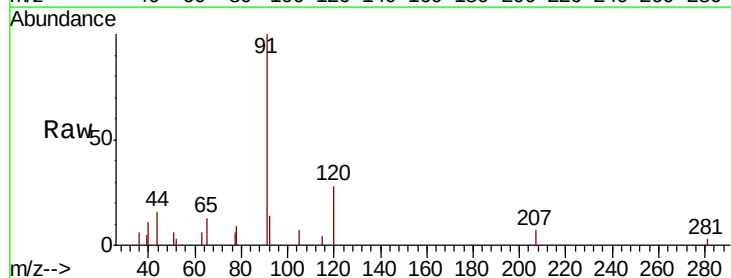


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

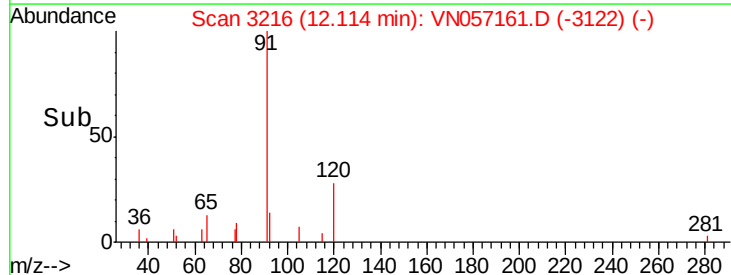
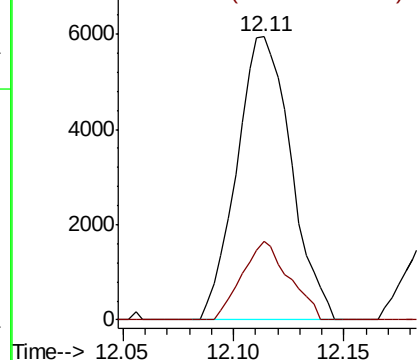


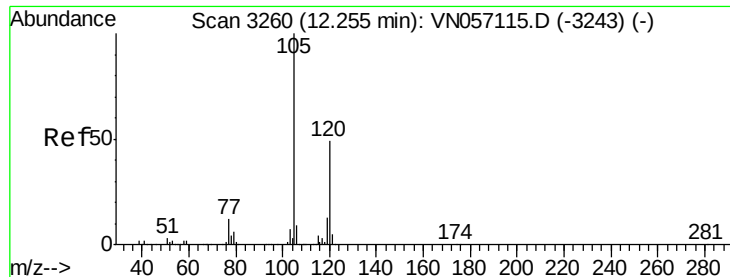
#78
n-propylbenzene
Concen: 0.307 ug/l
RT: 12.11 min Scan# 3216
Delta R.T. 0.00 min
Lab File: VN057161.D
Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.266 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057161.D

Acq: 9 Aug 2019 21:12

Instrument :

MSVOA_N

ClientSampleId :

MW-22D_080819

Tot Ion:105 Resp: 7096

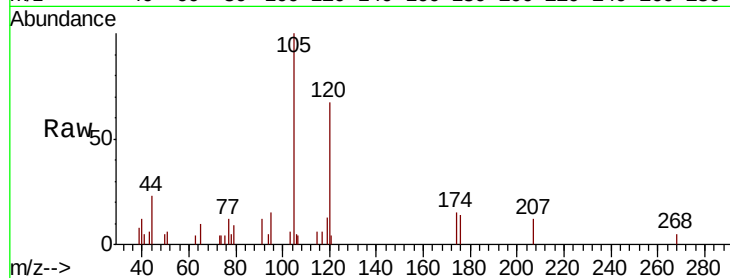
Ion Ratio Lower Upper

105 100

120 64.8 24.6 73.6

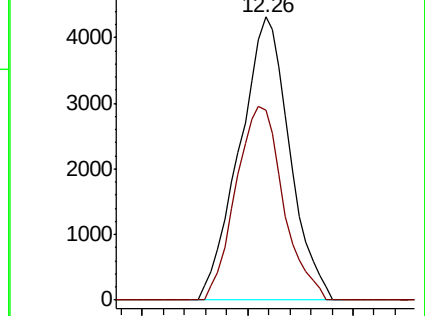
Manual Integrations
APPROVED

MMDadoda
8/12/2019 3:34:56 PM

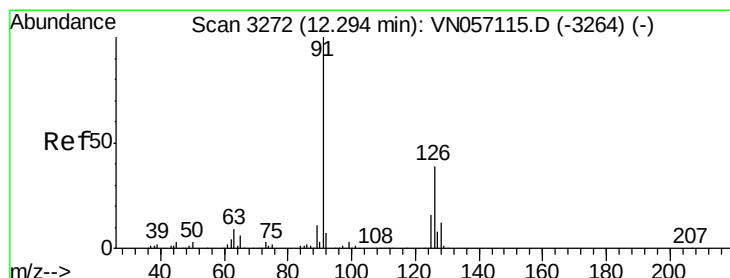
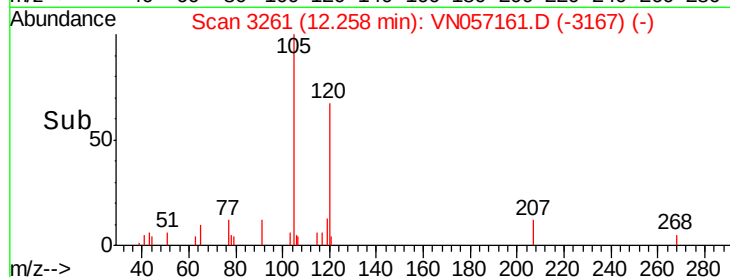


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#82

4-Chlorotoluene

Concen: 0.511 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057161.D

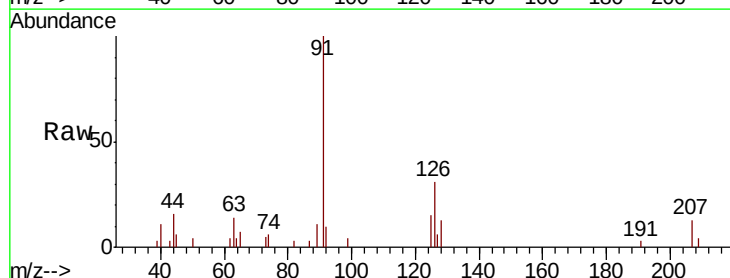
Acq: 9 Aug 2019 21:12

Tgt Ion: 91 Resp: 9791

Ion Ratio Lower Upper

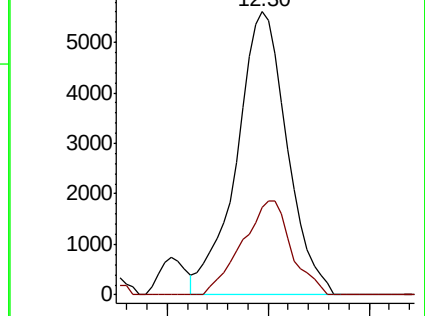
91 100

126 32.4 17.9 53.7

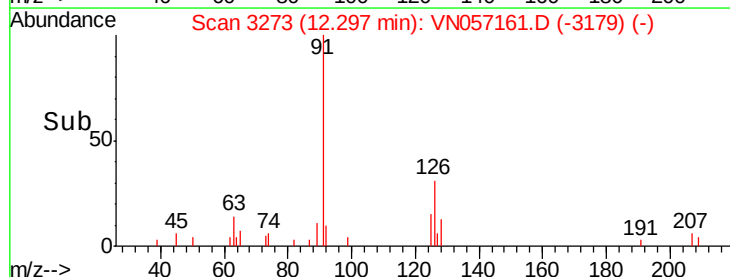


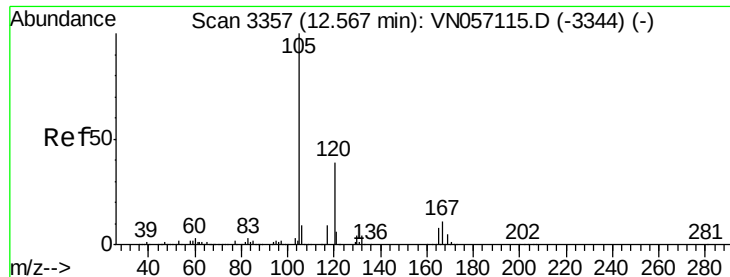
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



Time-->





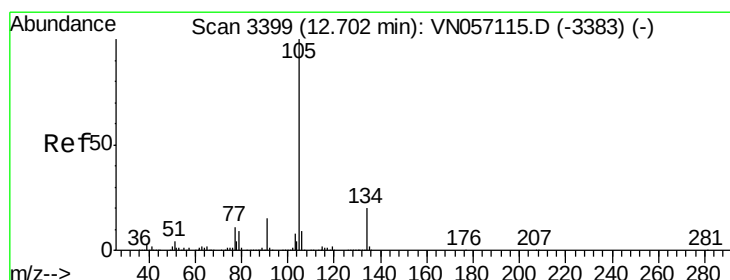
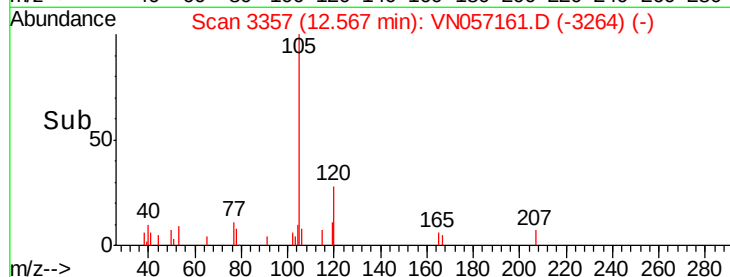
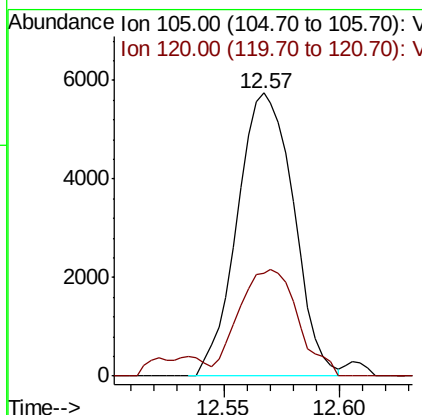
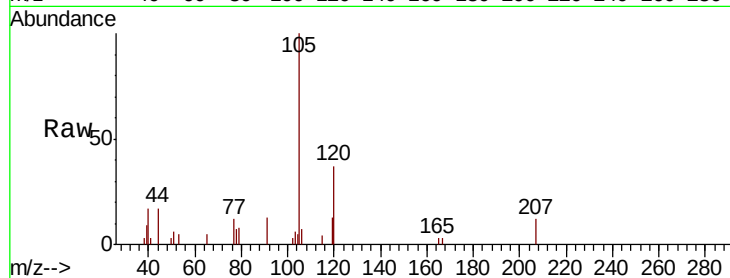
#84
 1,2,4-Trimethylbenzene
 Concen: 0.376 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

Tot Ion	Ratio	Lower	Upper
105	100		
120	39.3	23.3	69.8

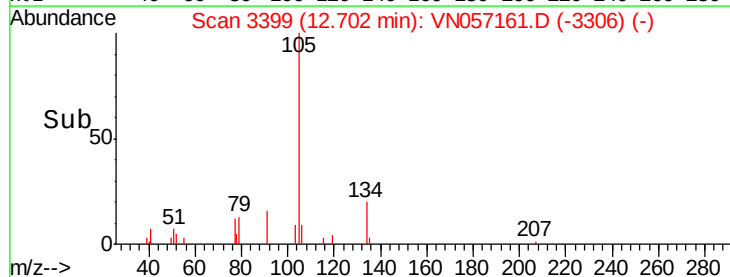
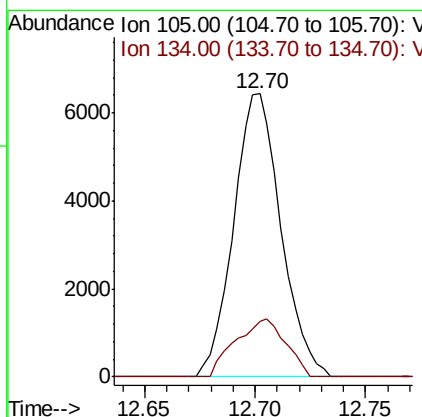
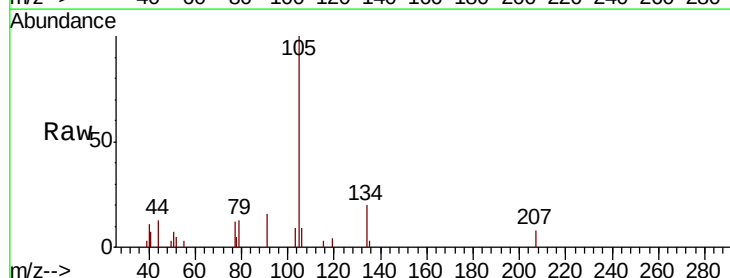
Manual Integrations
 APPROVED

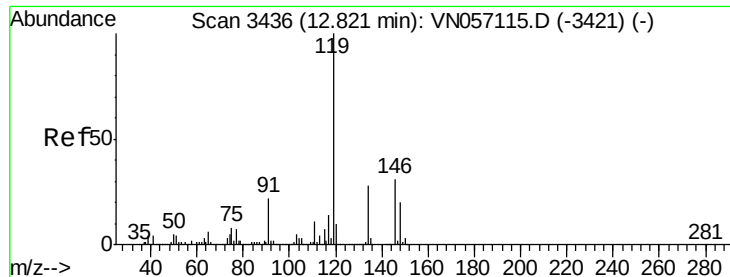
MMDadoda
 8/12/2019 3:34:56 PM



#85
 sec-Butylbenzene
 Concen: 0.318 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.7	10.2	30.4





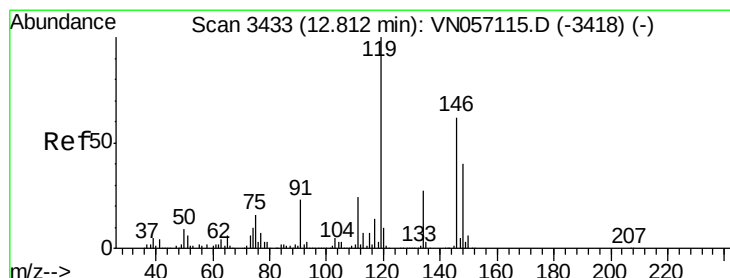
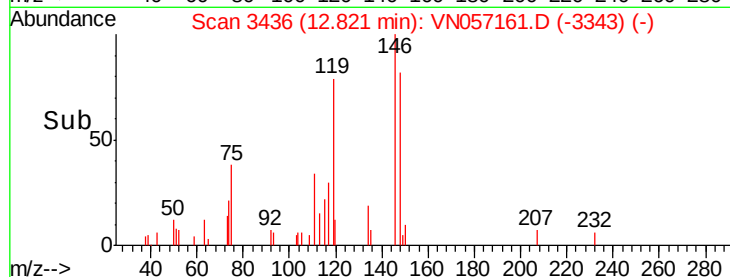
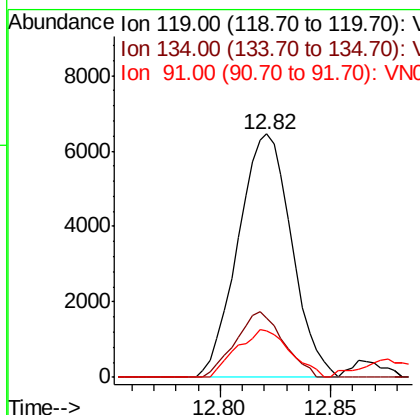
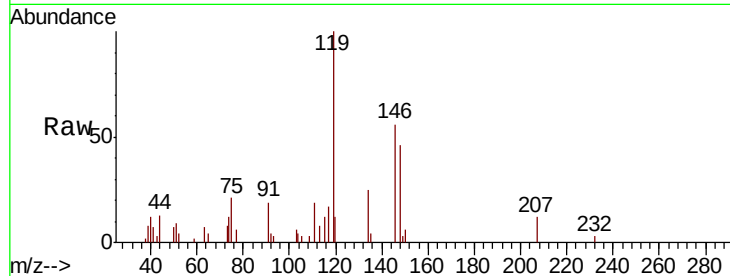
#86
 p-Isopropyltoluene
 Concen: 0.410 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

Tot Ion	Ratio	Resp	Lower	Upper
119	100	10815		
134	24.1		13.8	41.3
91	19.4		11.0	33.0

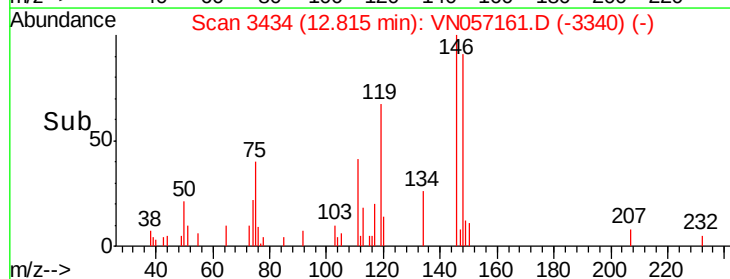
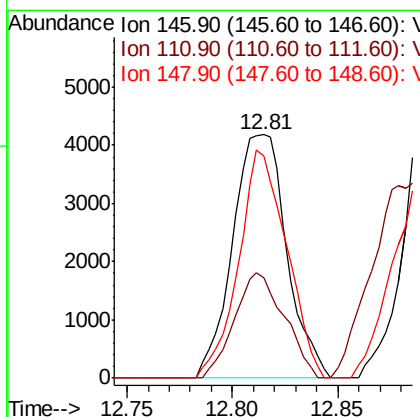
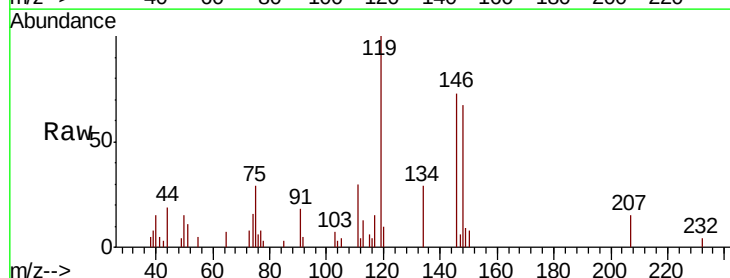
Manual Integrations
 APPROVED

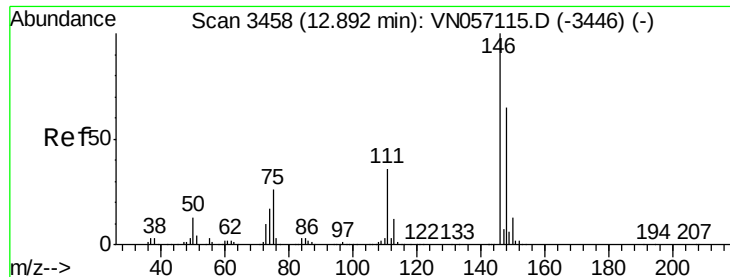
MMDadoda
 8/12/2019 3:34:56 PM



#87
 1,3-Dichlorobenzene
 Concen: 0.631 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	7455		
111	39.6		18.8	56.4
148	82.9		32.4	97.0





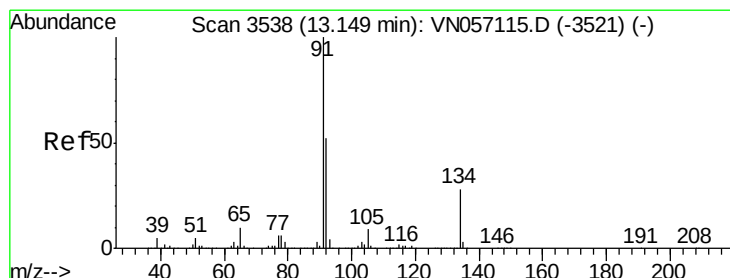
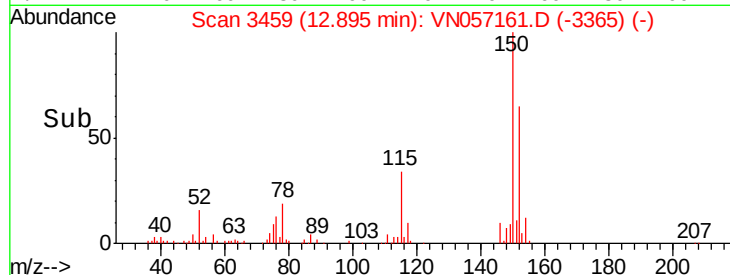
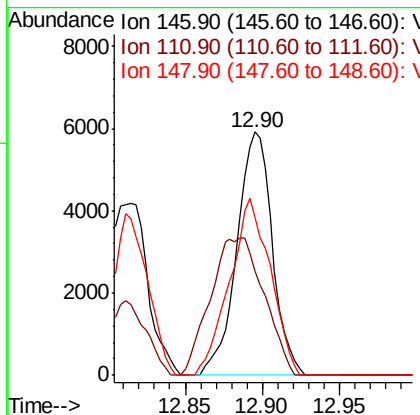
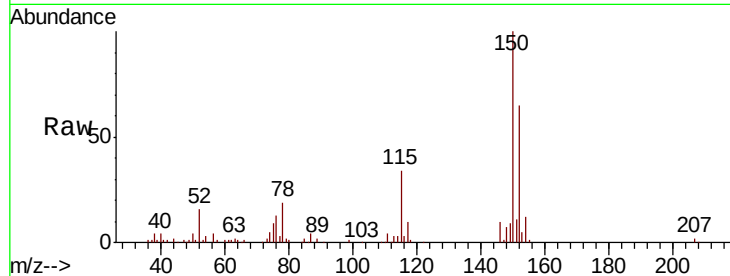
#88
 1,4-Dichlorobenzene
 Concen: 0.835 ug/l m
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

Tot Ion	Ratio	Lower	Upper
146	100		
111	31.6	18.2	54.6
148	66.2	32.0	96.2

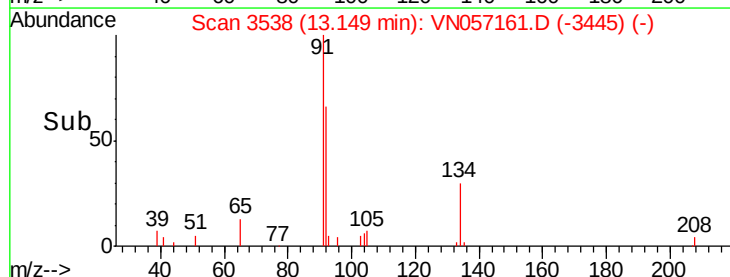
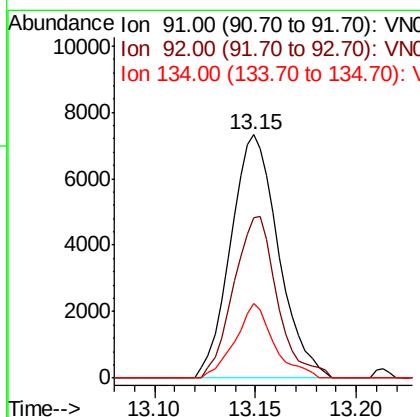
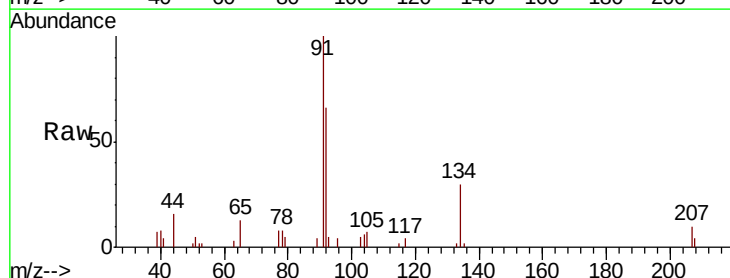
Manual Integrations
 APPROVED

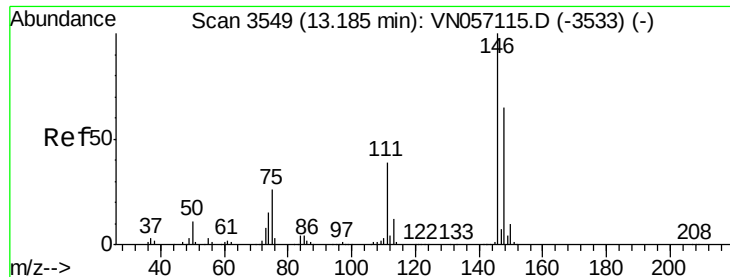
MMDadoda
 8/12/2019 3:34:56 PM



#89
 n-Butylbenzene
 Concen: 0.665 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.7	26.5	79.4
134	24.9	14.1	42.3





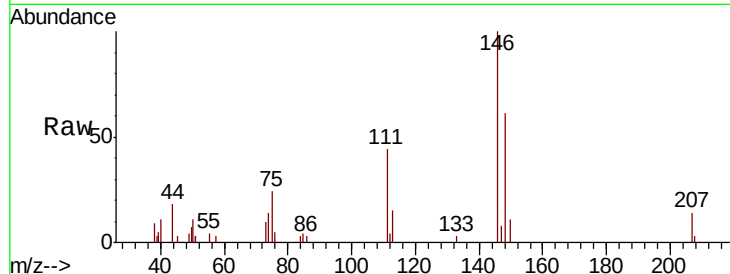
#91
 1,2-Dichlorobenzene
 Concen: 0.901 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-22D_080819

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.2	57.6
148	60.4	32.4	97.0

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:34:56 PM

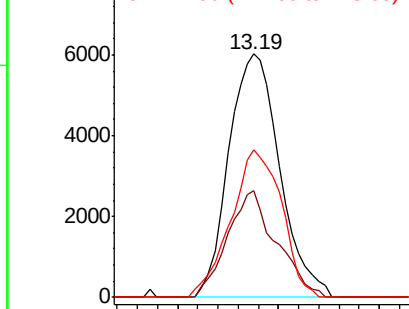


Abundance

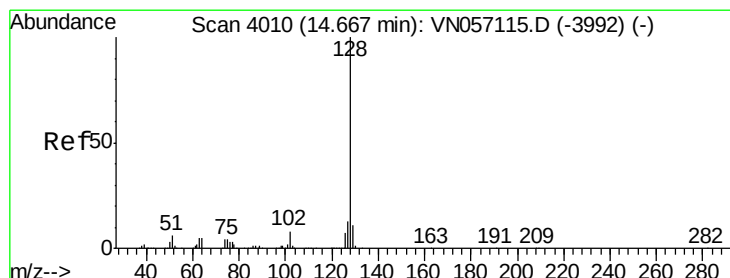
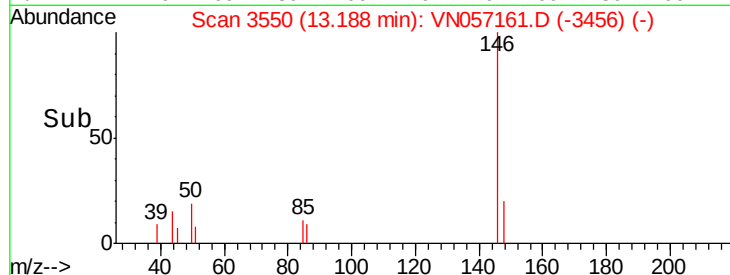
Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

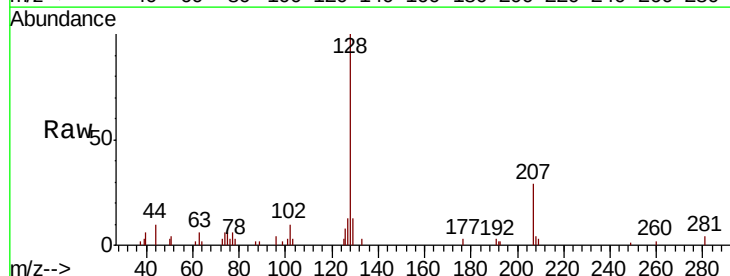


Time-->



#95
 Naphthalene
 Concen: 5.000 ug/l
 RT: 14.67 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VN057161.D
 Acq: 9 Aug 2019 21:12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	10.8	8.8	13.2

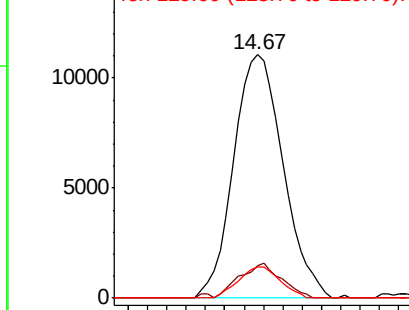


Abundance

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



Time-->

