

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056055.D
 Acq On : 6 Jun 2019 19:07
 Operator : JC/SP
 Sample : K3203-13MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 9:37:00 AM

Quant Time: Jun 07 06:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	442738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	401025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	155989	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
35) Dibromofluoromethane	7.59	113	140365	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
50) Toluene-d8	10.09	98	534179	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	180886	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159654	50.089	ug/l	99
3) Chloromethane	2.06	50	166082	52.808	ug/l	99
4) Vinyl Chloride	2.18	62	177059	56.125	ug/l	100
5) Bromomethane	2.54	94	94734	47.538	ug/l	99
6) Chloroethane	2.68	64	97150	53.113	ug/l	100
7) Trichlorofluoromethane	3.00	101	207116	51.427	ug/l	99
8) Diethyl Ether	3.40	74	85499	51.624	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	127185	51.988	ug/l	99
10) Methyl Iodide	3.94	142	183788	47.273	ug/l	99
11) Tert butyl alcohol	4.82	59	122620	244.599	ug/l	98
12) 1,1-Dichloroethene	3.72	96	128309	52.681	ug/l	96
13) Acrolein	3.60	56	33656	232.782	ug/l	94
14) Allyl chloride	4.31	41	189426	49.254	ug/l	98
15) Acrylonitrile	4.99	53	360945	295.776	ug/l	100
16) Acetone	3.82	43	281399	204.243	ug/l	99
17) Carbon Disulfide	4.04	76	282186	48.389	ug/l	100
18) Methyl Acetate	4.33	43	158434	58.642	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	419533	54.039	ug/l	99
20) Methylene Chloride	4.54	84	148098	52.174	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	137906	52.845	ug/l	98
22) Diisopropyl ether	5.96	45	428195	53.860	ug/l	97
23) Vinyl Acetate	5.90	43	1780605	284.409	ug/l	100
24) 1,1-Dichloroethane	5.84	63	245538	53.542	ug/l	99
25) 2-Butanone	6.84	43	470211	270.118	ug/l	98
26) 2,2-Dichloropropane	6.82	77	140269	39.198	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	166573	54.302	ug/l	95
28) Bromochloromethane	7.19	49	120537	55.581	ug/l	99
29) Tetrahydrofuran	7.22	42	318176	295.693	ug/l	99
30) Chloroform	7.37	83	247628	53.677	ug/l	100
31) Cyclohexane	7.65	56	226151	49.474	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	202493	52.563	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182096	47.833	ug/l	99
37) Ethyl Acetate	6.93	43	192908	56.951	ug/l	99
38) Carbon Tetrachloride	7.77	117	168101	47.895	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	223768	47.185	ug/l	99
40) Benzene	8.04	78	621462	53.748	ug/l	100
41) Methacrylonitrile	7.17	41	88323	56.673	ug/l	96
42) 1,2-Dichloroethane	8.12	62	185068	49.759	ug/l	100
43) Isopropyl Acetate	8.17	43	293978	53.558	ug/l #	91
44) Trichloroethene	8.83	130	162380	48.873	ug/l	99
45) 1,2-Dichloropropane	9.12	63	151959	51.309	ug/l	98
46) Dibromomethane	9.21	93	99027	51.132	ug/l	99
47) Bromodichloromethane	9.40	83	179707	51.197	ug/l	99
48) Methyl methacrylate	9.20	41	145694	54.255	ug/l	97
49) 1,4-Dioxane	9.20	88	60105	1036.771	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	942159	274.482	ug/l	99
52) Toluene	10.16	92	365081	50.742	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	180093	44.061	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	214201	50.768	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	147149	51.631	ug/l	99
56) Ethyl methacrylate	10.43	69	222813	53.588	ug/l	99
57) 1,3-Dichloropropane	10.71	76	243178	52.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	389621	237.157	ug/l	99
59) 2-Hexanone	10.75	43	650616	261.523	ug/l	99
60) Dibromochloromethane	10.90	129	146173	46.675	ug/l	100
61) 1,2-Dibromoethane	11.00	107	153657	52.738	ug/l	97
64) Tetrachloroethene	10.63	164	160078	46.114	ug/l	99
65) Chlorobenzene	11.43	112	787186	98.630	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	139136	50.488	ug/l	99
67) Ethyl Benzene	11.51	91	677023	48.784	ug/l	99
68) m/p-Xylenes	11.62	106	516386	97.403	ug/l	99
69) o-Xylene	11.95	106	254124	48.730	ug/l	99
70) Styrene	11.96	104	425351	51.335	ug/l	99
71) Bromoform	12.13	173	102955	44.800	ug/l #	99
73) Isopropylbenzene	12.25	105	664548	52.133	ug/l	100
74) N-amyl acetate	12.07	43	242120	50.690	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208216	50.055	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	179746m	54.516	ug/l	
77) Bromobenzene	12.53	156	182435	47.554	ug/l	95
78) n-propylbenzene	12.59	91	707626	46.680	ug/l	100
79) 2-Chlorotoluene	12.67	91	436515	52.008	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	548456	45.523	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45025	45.477	ug/l	89
82) 4-Chlorotoluene	12.77	91	423744	47.779	ug/l	100
83) tert-Butylbenzene	12.99	119	481415	51.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	546747	47.856	ug/l	99
85) sec-Butylbenzene	13.17	105	622983	46.405	ug/l	100
86) p-Isopropyltoluene	13.29	119	558151	46.456	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	288254	48.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298318	52.229	ug/l	100
89) n-Butylbenzene	13.61	91	416798	46.830	ug/l	99
90) Hexachloroethane	13.87	117	84370	46.564	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	312698	52.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32369	54.405	ug/l	97

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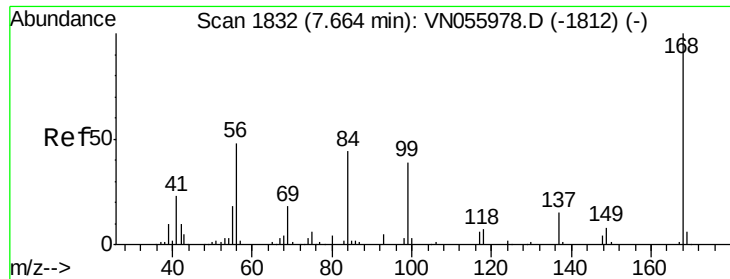
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139123	42.788	ug/l	98
94) Hexachlorobutadiene	15.01	225	100856	49.013	ug/l	99
95) Naphthalene	15.13	128	384820	45.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	151689	45.357	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion:168 Resp: 290129

Ion Ratio Lower Upper

168 100

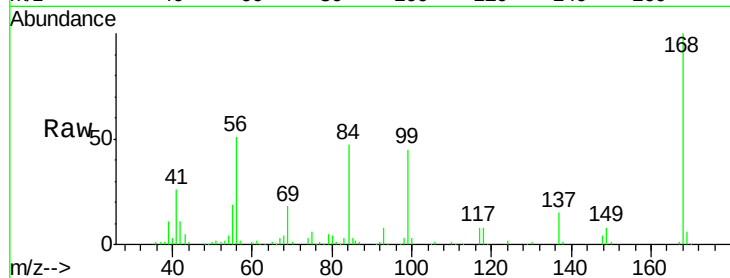
99 44.7 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

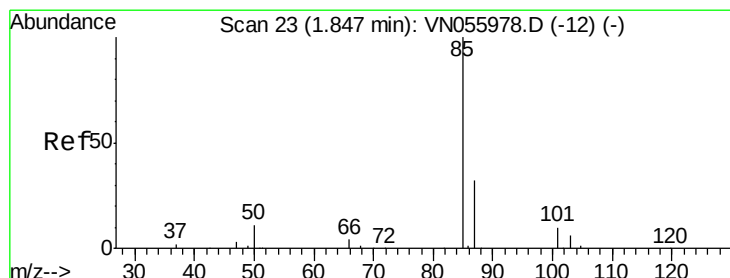
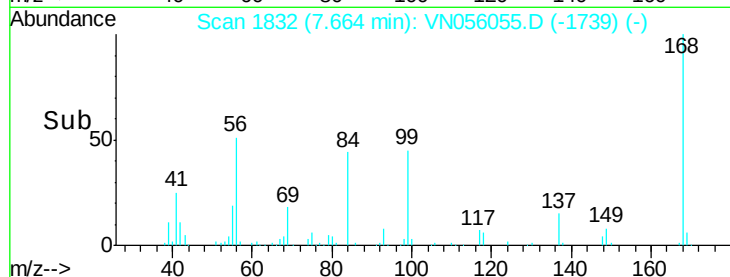
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.089 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056055.D

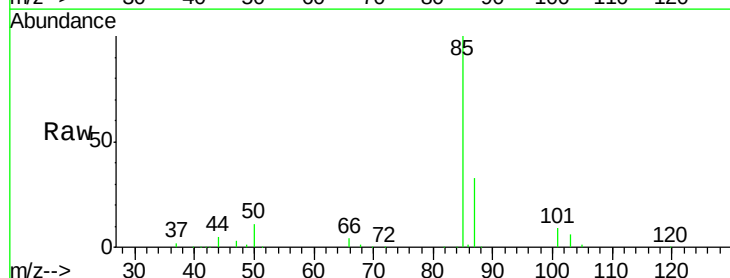
Acq: 6 Jun 2019 19:07

Tgt Ion: 85 Resp: 159654

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

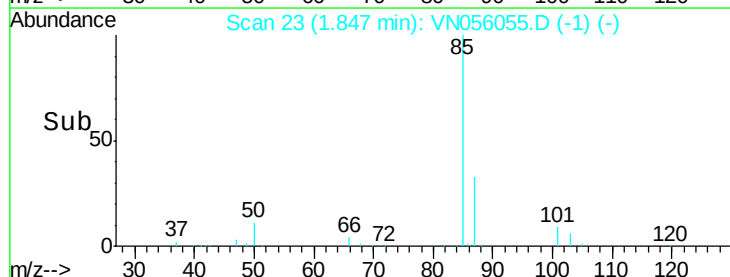
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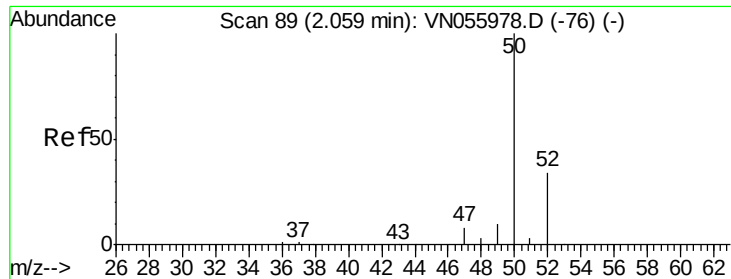
40000

20000

0

Time-->





#3

Chloromethane

Concen: 52.808 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion: 50 Resp: 166082

Ion Ratio Lower Upper

50 100

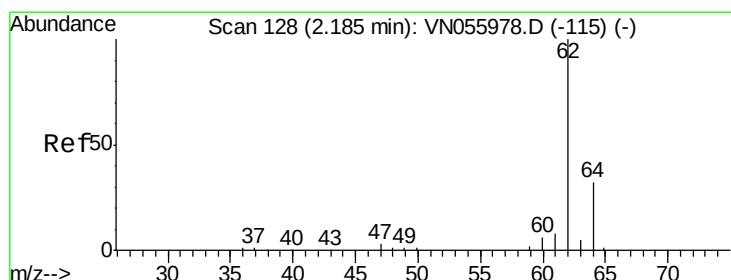
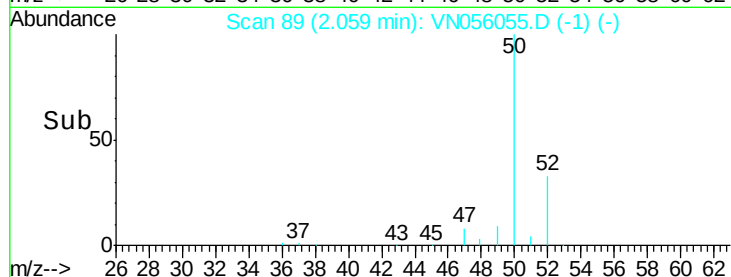
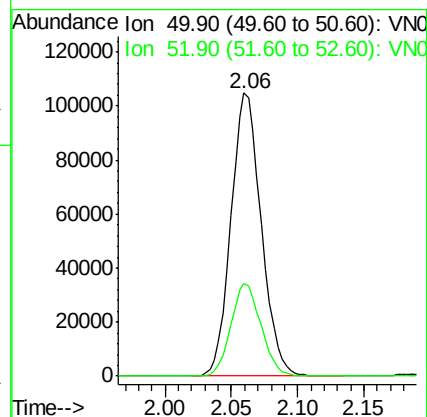
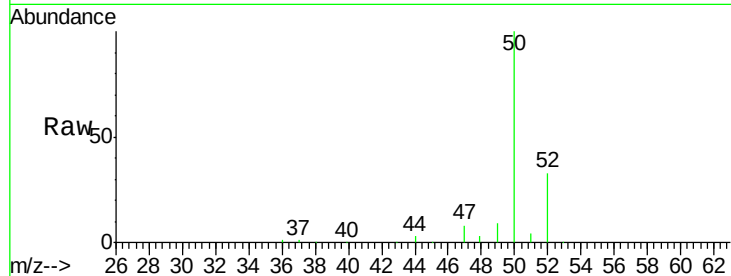
52 32.8 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.125 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056055.D

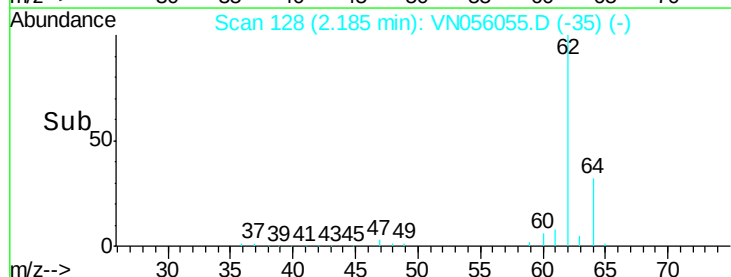
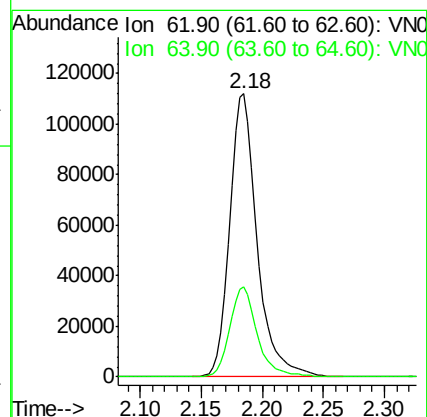
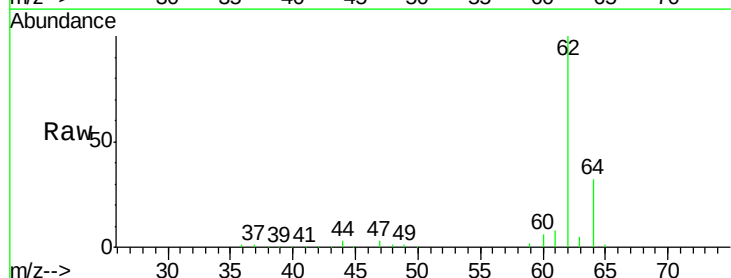
Acq: 6 Jun 2019 19:07

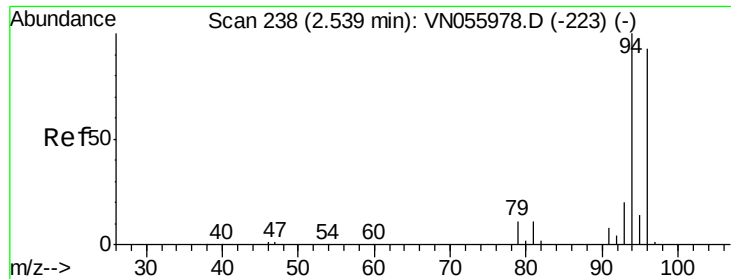
Tgt Ion: 62 Resp: 177059

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 47.538 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

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ClientSampleId :

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Tot Ion: 94 Resp: 94734

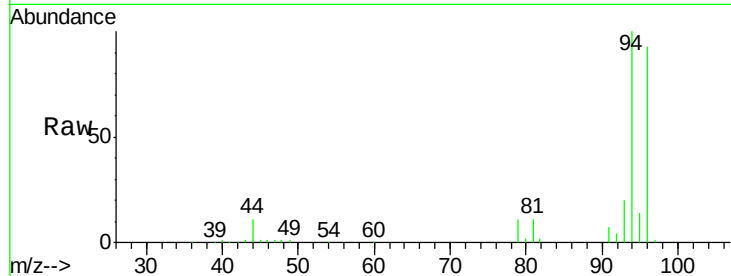
Ion Ratio Lower Upper

94 100

96 93.2 75.5 113.3

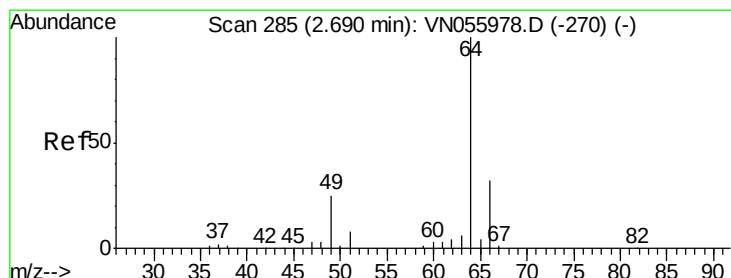
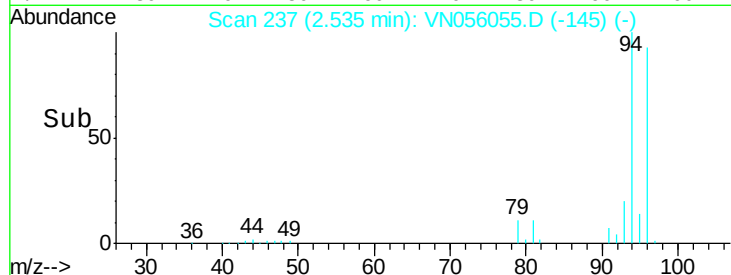
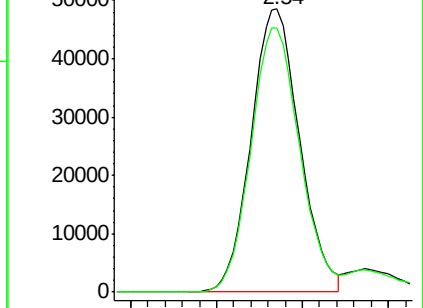
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.113 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.01 min

Lab File: VN056055.D

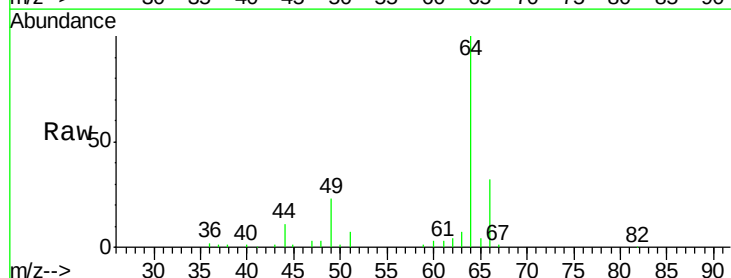
Acq: 6 Jun 2019 19:07

Tgt Ion: 64 Resp: 97150

Ion Ratio Lower Upper

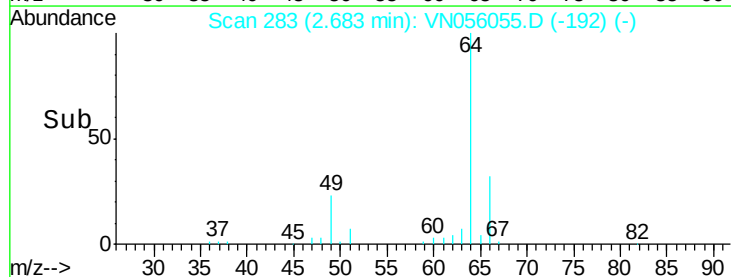
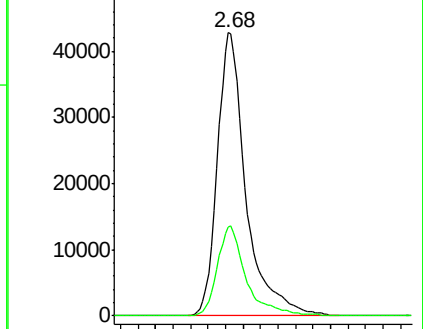
64 100

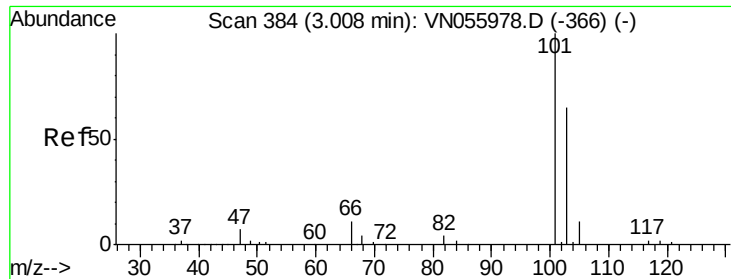
66 31.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

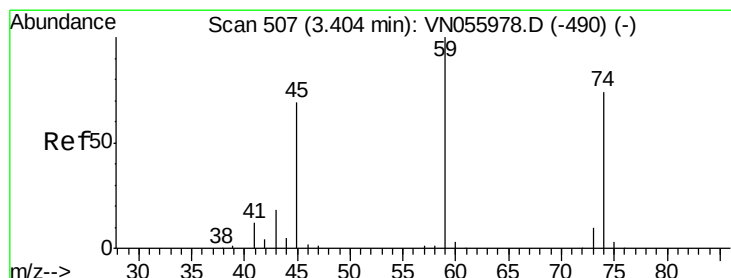
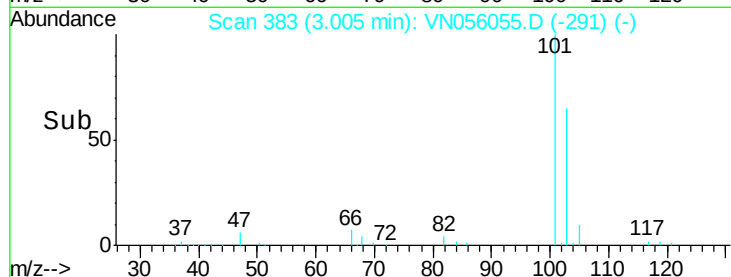
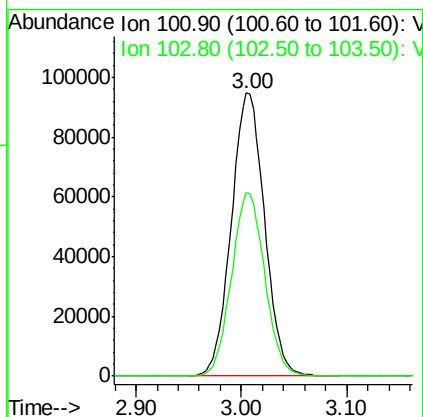
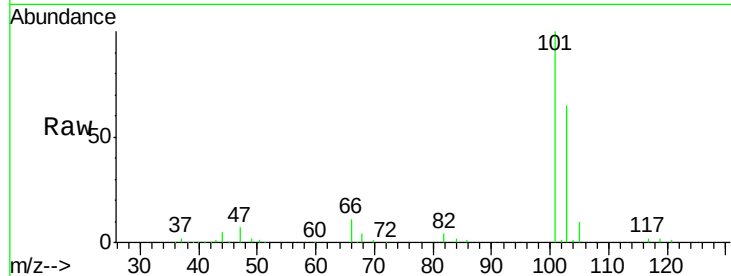
Trichlorofluoromethane
Concen: 51.427 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
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Tot Ion:101 Resp: 207116
Ion Ratio Lower Upper
101 100
103 64.9 51.2 76.8

Manual Integrations
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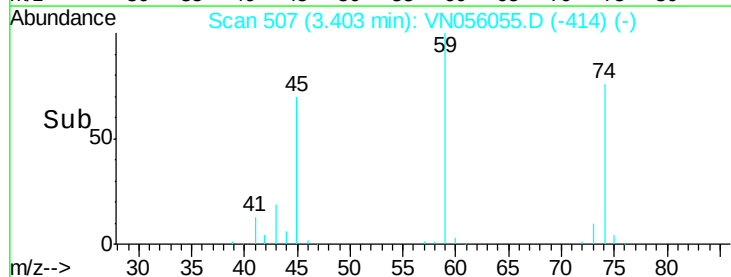
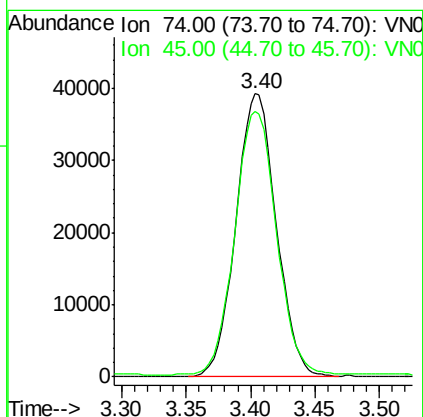
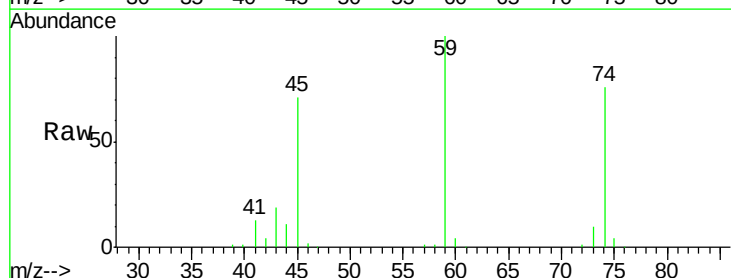
MMDadoda
6/7/2019 9:37:00 AM

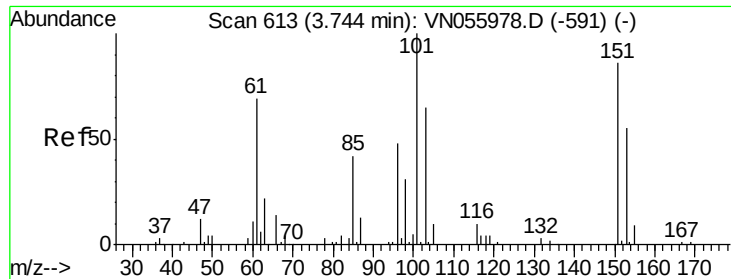


#8

Diethyl Ether
Concen: 51.624 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 74 Resp: 85499
Ion Ratio Lower Upper
74 100
45 95.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.988 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

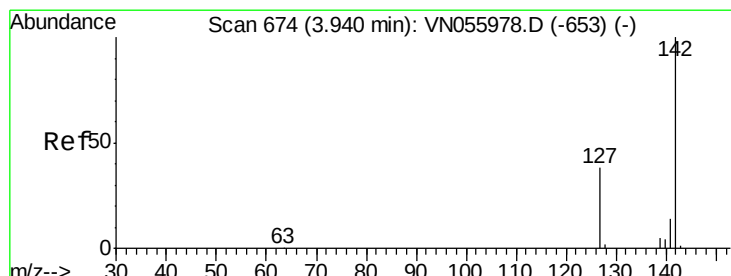
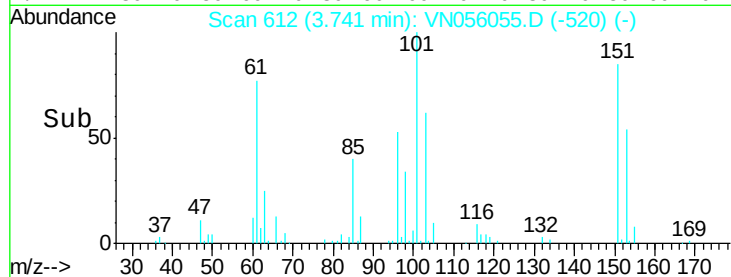
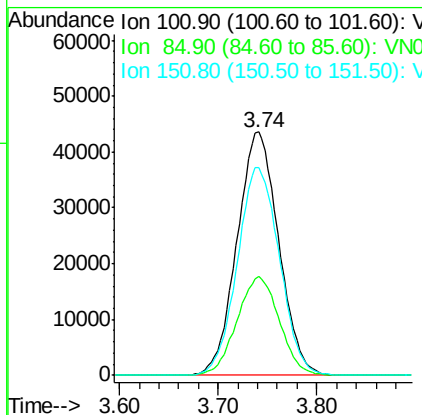
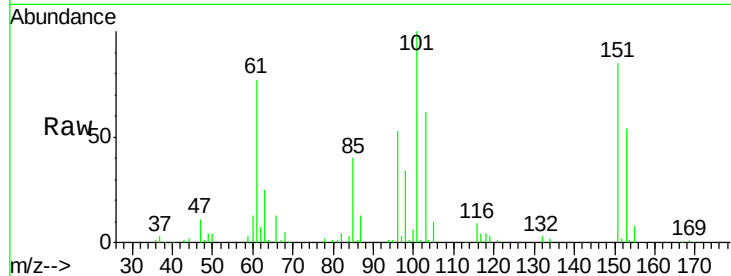
ClientSampleId :

LF015RW050-190604MS

Tot Ion:	101	Resp:	127185
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.4	50.2
151	86.6	69.4	104.2

Manual Integrations
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6/7/2019 9:37:00 AM



#10

Methyl Iodide

Concen: 47.273 ug/l

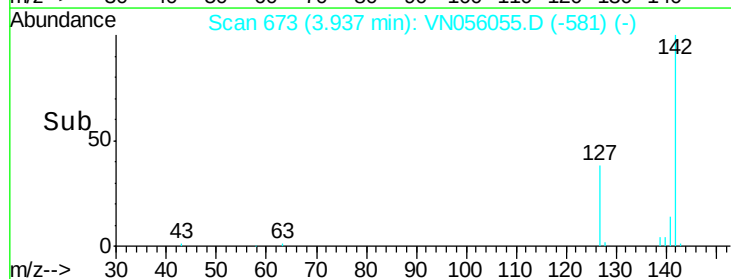
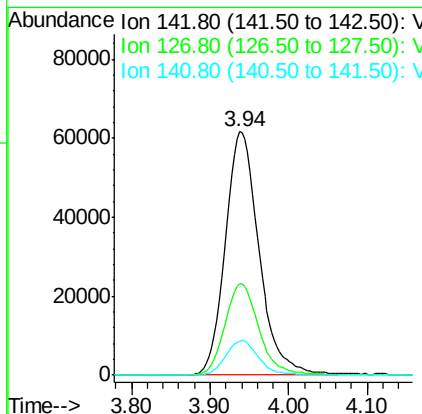
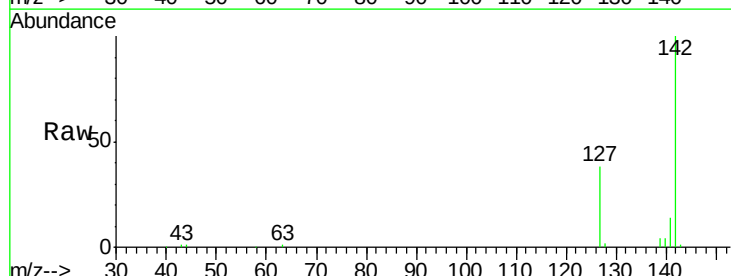
RT: 3.94 min Scan# 673

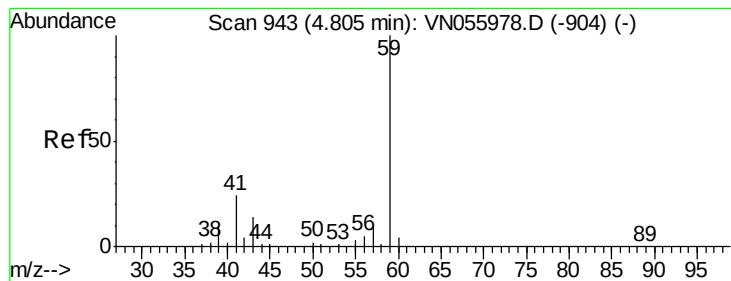
Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Tgt Ion:	142	Resp:	183788
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.8	11.4	17.0





#11

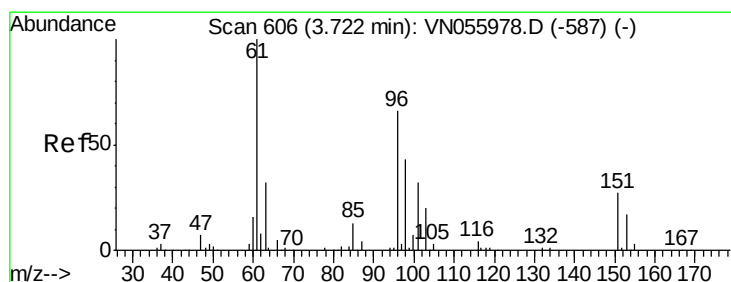
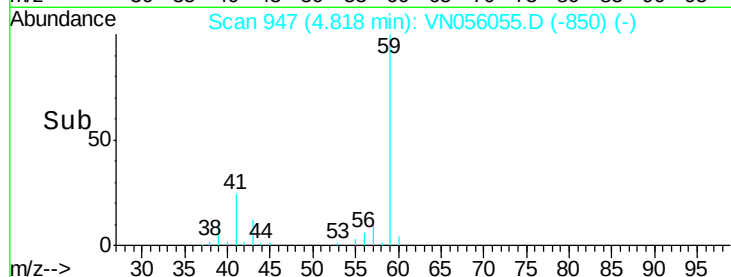
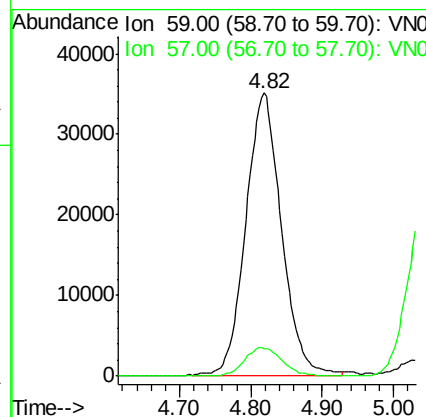
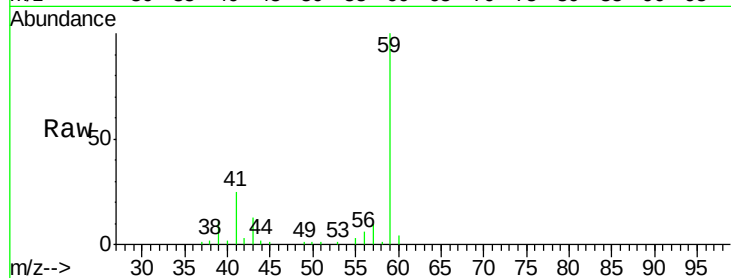
Tert butyl alcohol
Concen: 244.599 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	7.8	11.6

Manual Integrations
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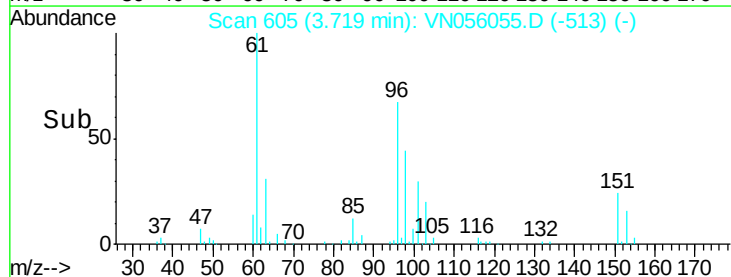
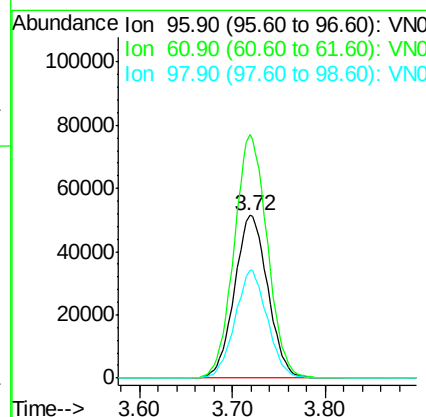
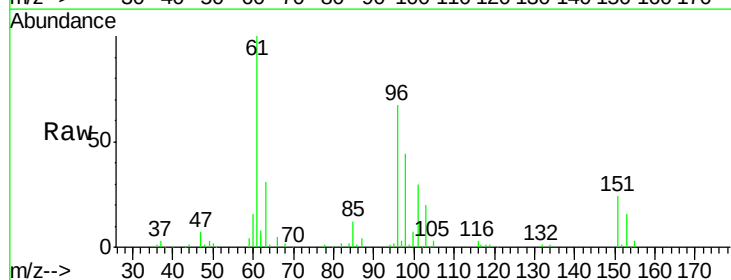
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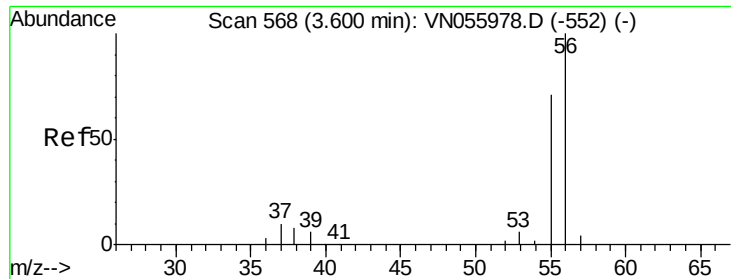


#12

1,1-Dichloroethene
Concen: 52.681 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	123.2	184.8
98	66.6	50.4	75.6





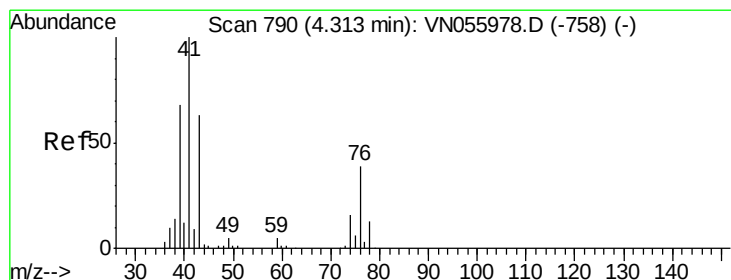
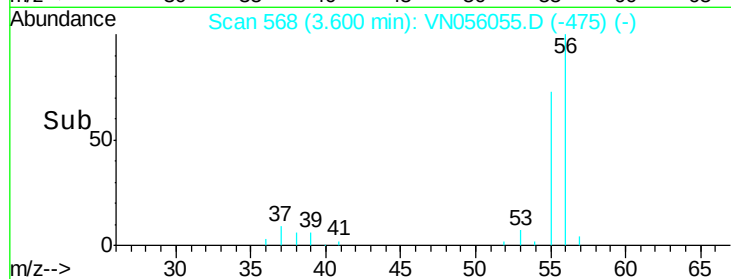
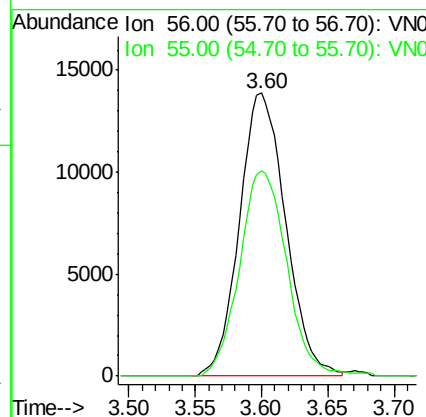
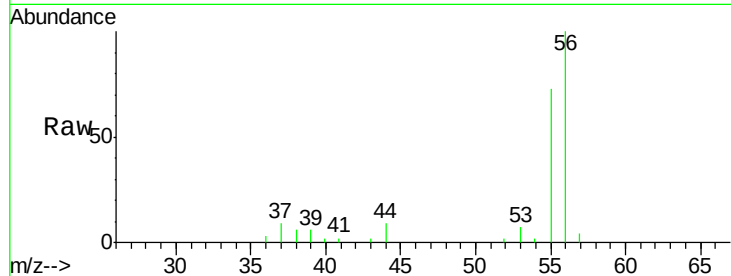
#13
Acrolein
Concen: 232.782 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.9	55.4	83.2

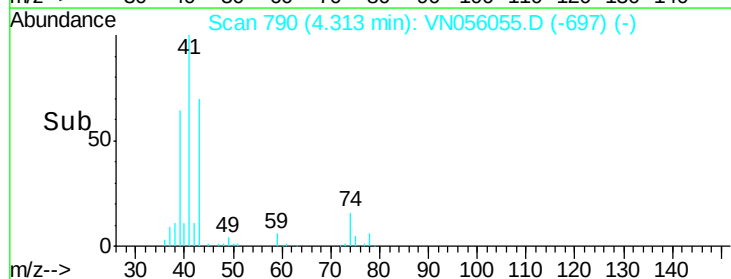
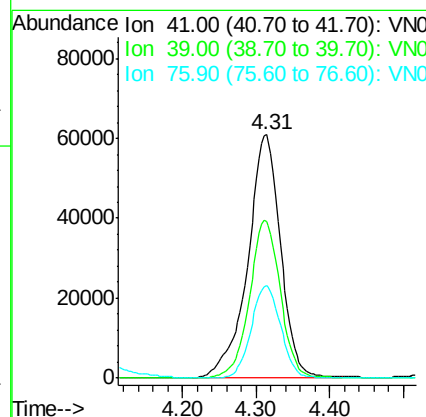
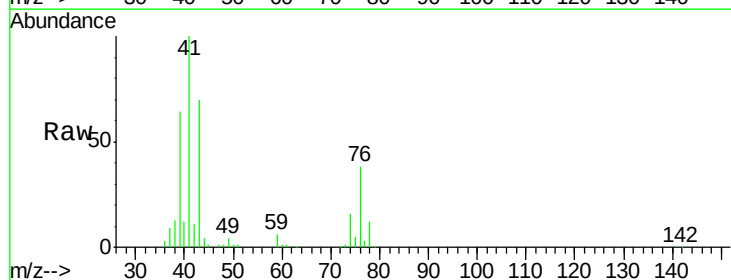
Manual Integrations
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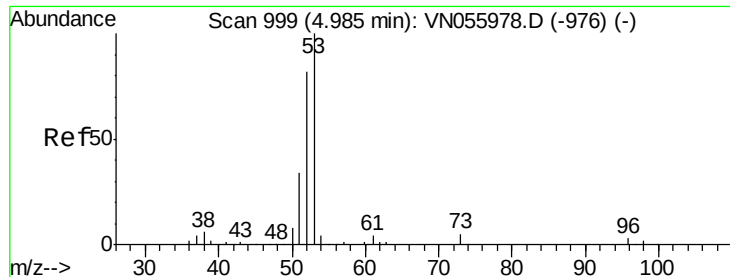
MMDadoda
6/7/2019 9:37:00 AM



#14
Allyl chloride
Concen: 49.254 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	60.5	50.0	75.0
76	76	34.0	28.2	42.2





#15

Acrylonitrile

Concen: 295.776 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

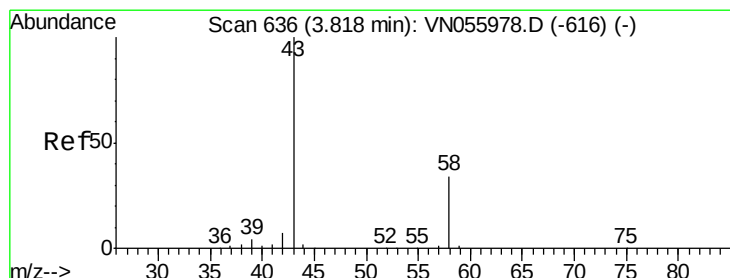
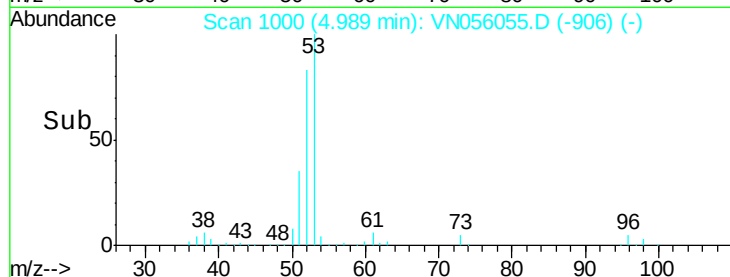
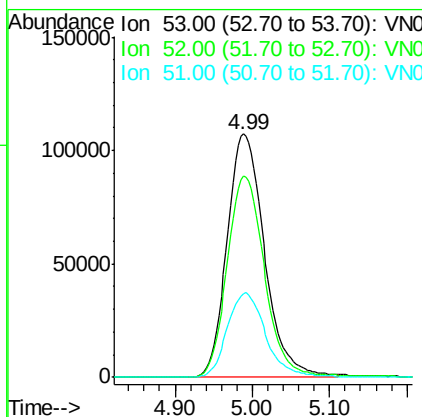
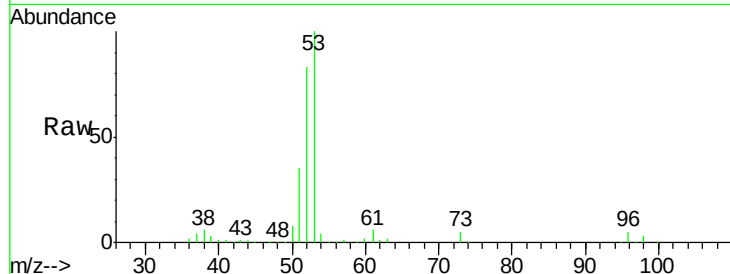
ClientSampleId :

LF015RW050-190604MS

Tot Ion:	53	Resp:	360945
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.8	98.8
51	35.6	28.2	42.4

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#16

Acetone

Concen: 204.243 ug/l

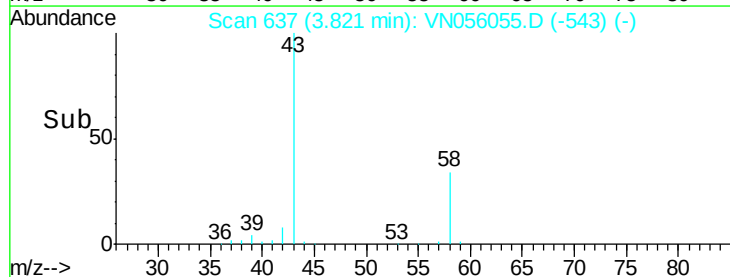
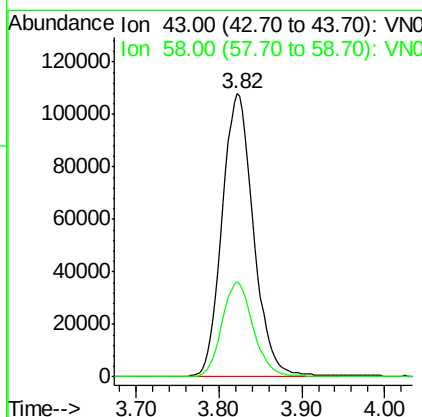
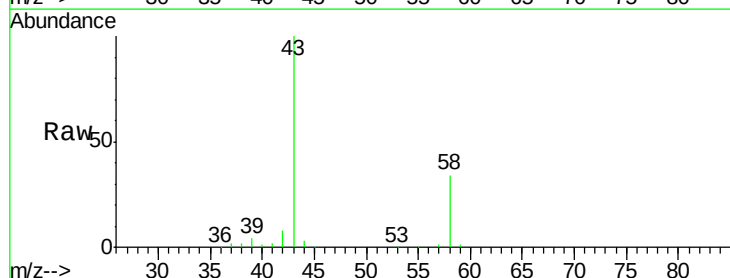
RT: 3.82 min Scan# 637

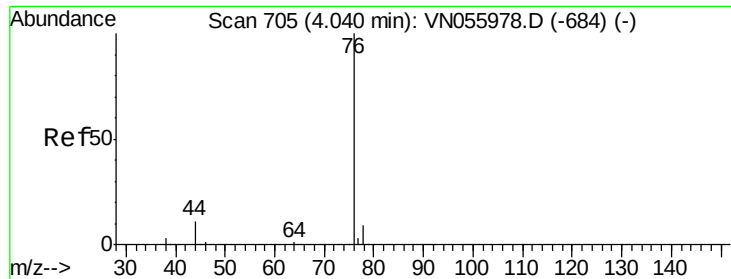
Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Tgt Ion:	43	Resp:	281399
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.6	39.8





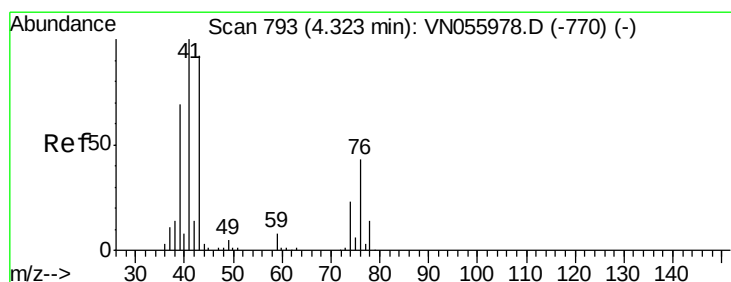
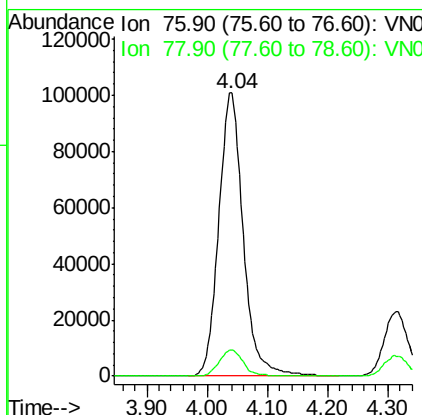
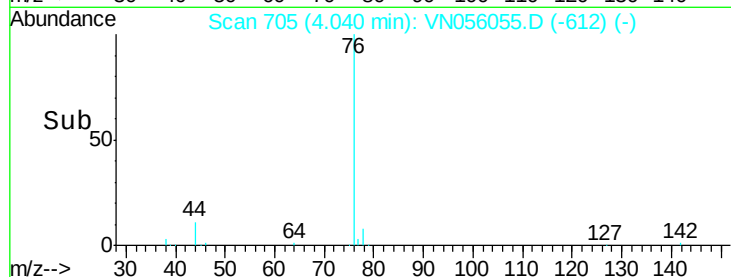
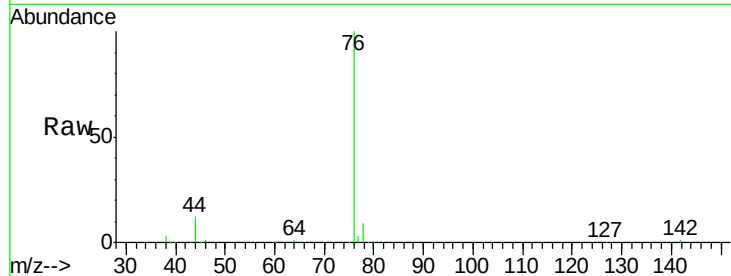
#17
Carbon Disulfide
Concen: 48.389 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

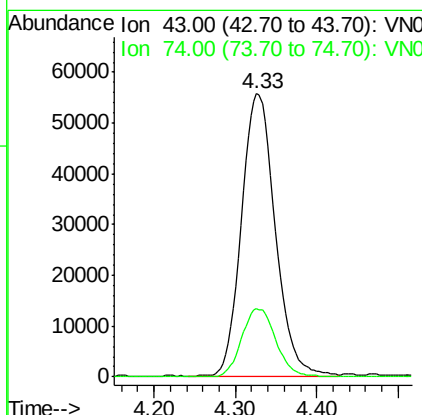
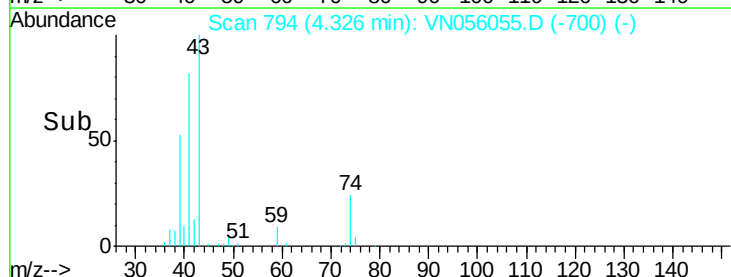
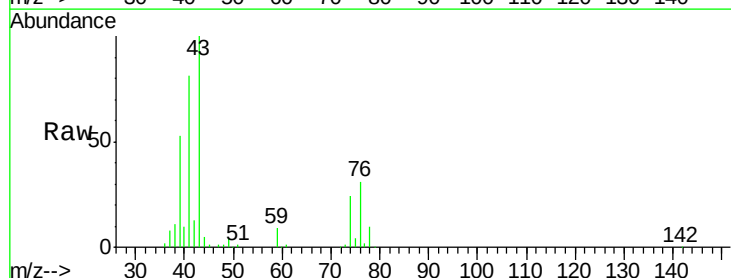
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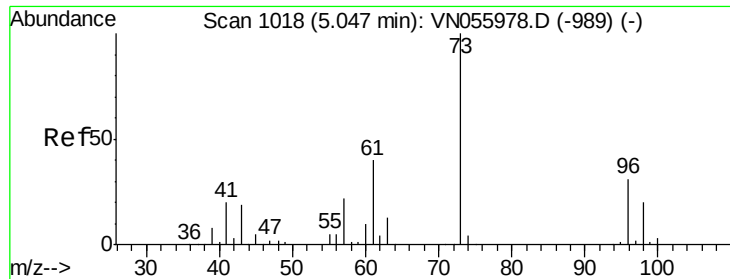
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#18
Methyl Acetate
Concen: 58.642 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





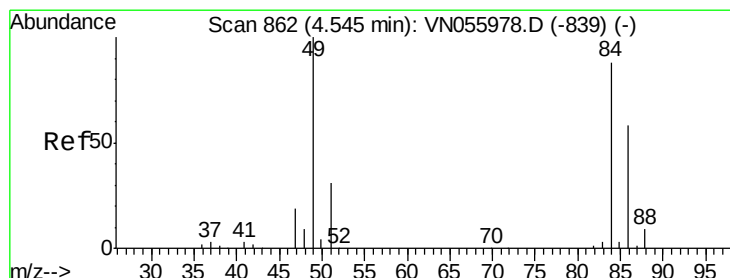
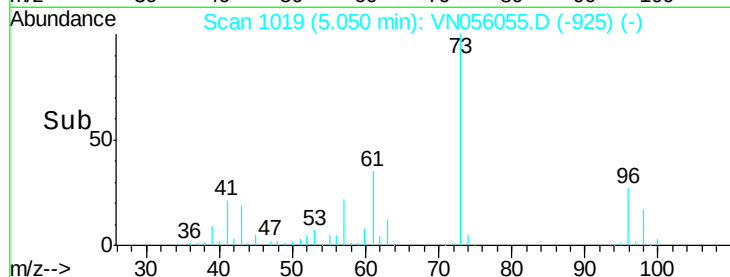
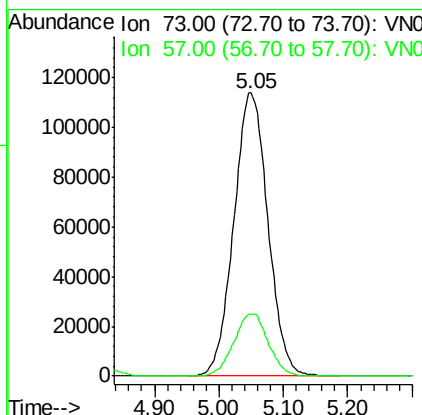
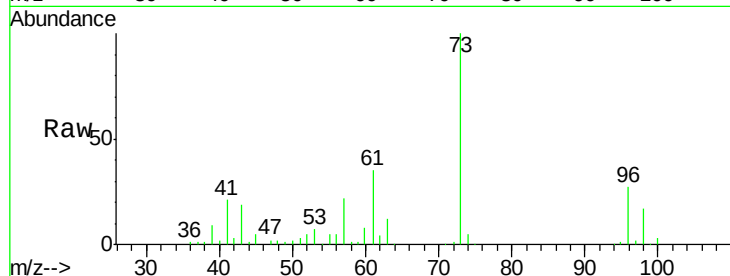
#19
Methyl tert-butyl Ether
Concen: 54.039 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion: 73 Resp: 419533
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

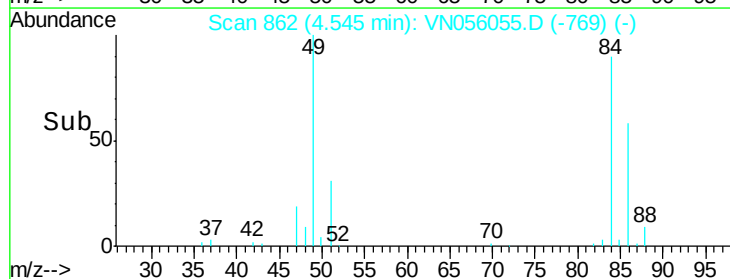
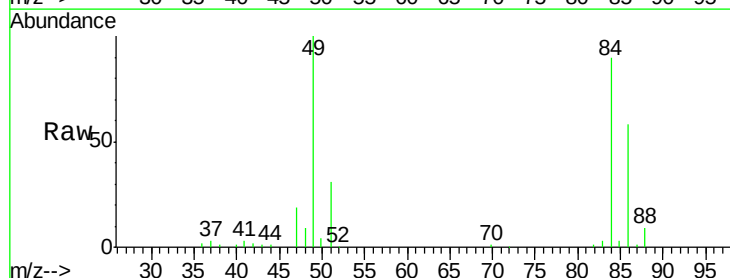
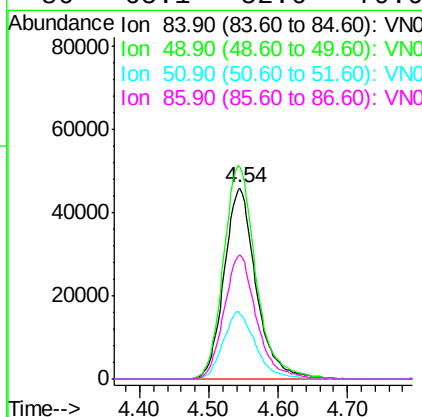
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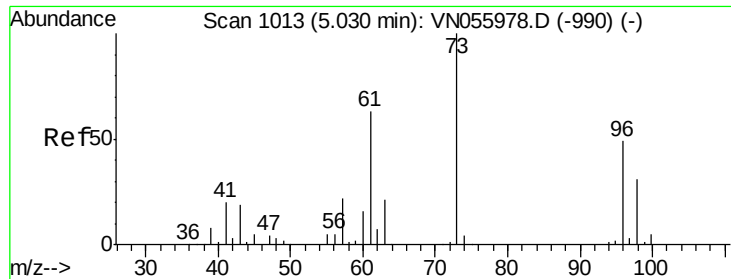
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#20
Methylene Chloride
Concen: 52.174 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 84 Resp: 148098
Ion Ratio Lower Upper
84 100
49 111.5 93.5 140.3
51 34.5 28.6 43.0
86 65.1 52.6 79.0





#21

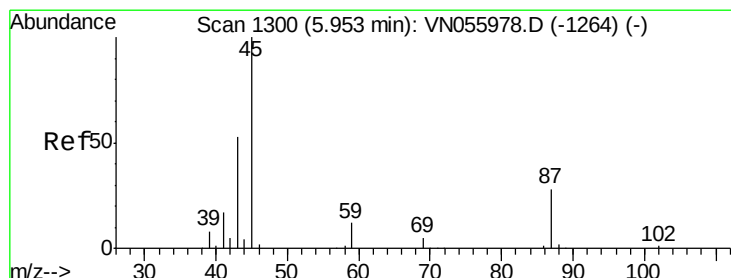
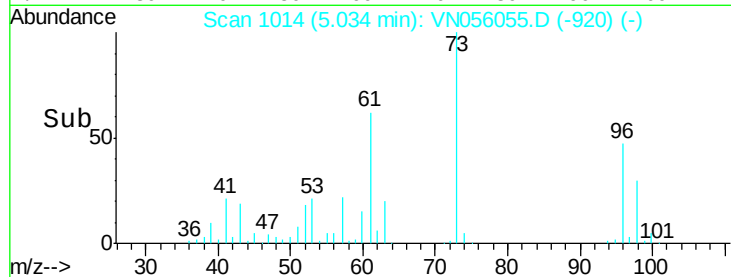
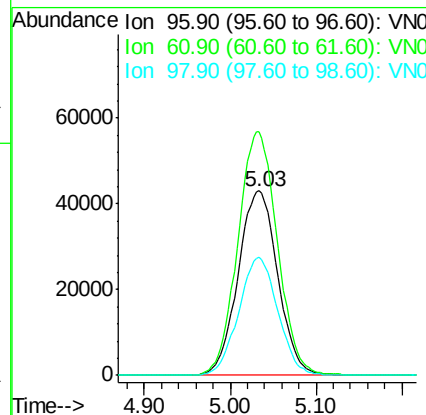
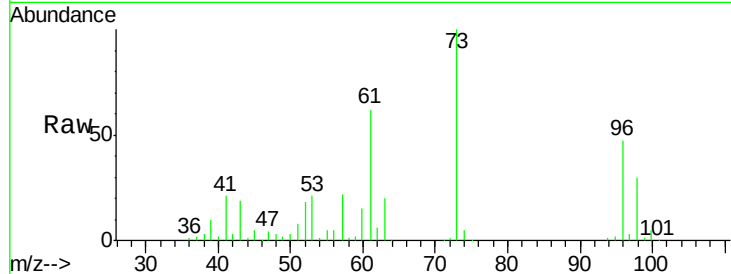
trans-1,2-Dichloroethene
Concen: 52.845 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	107.8	161.8
98	63.8	49.8	74.8

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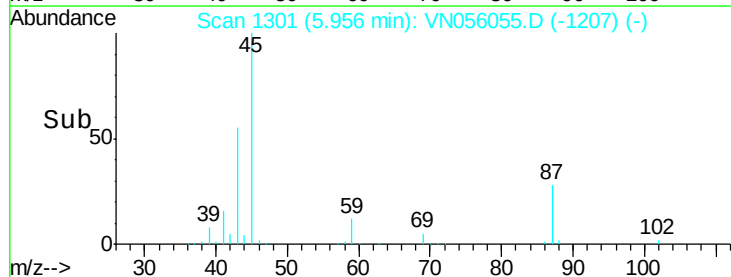
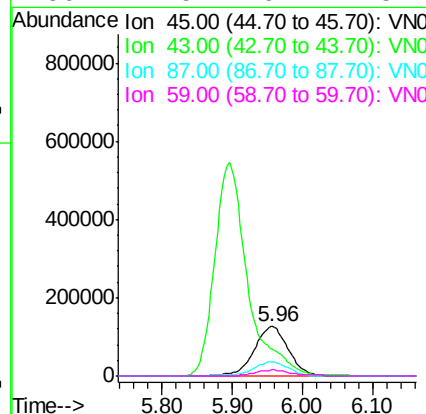
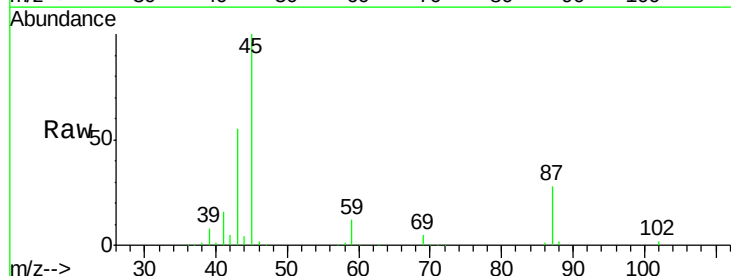
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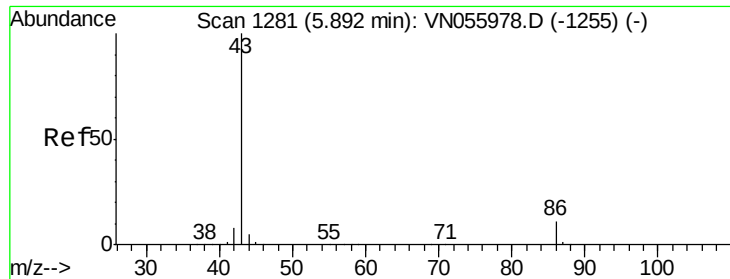


#22

Diisopropyl ether
Concen: 53.860 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.2	45.0	67.6
87	28.0	22.2	33.4
59	11.5	9.1	13.7





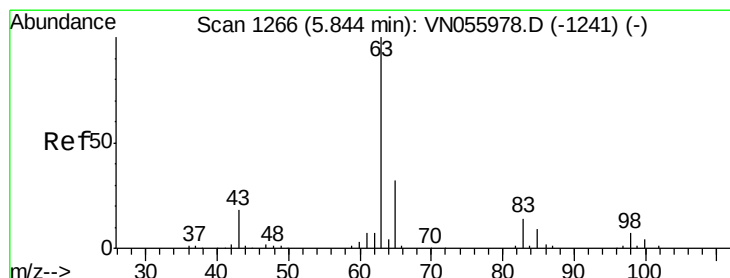
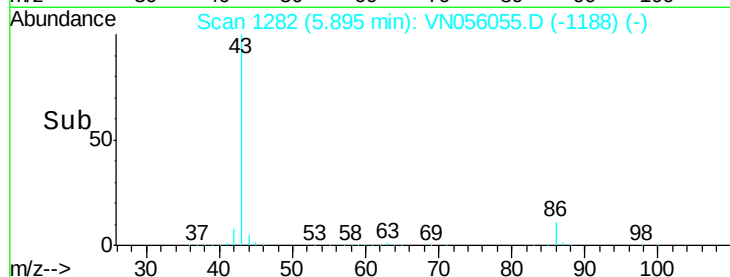
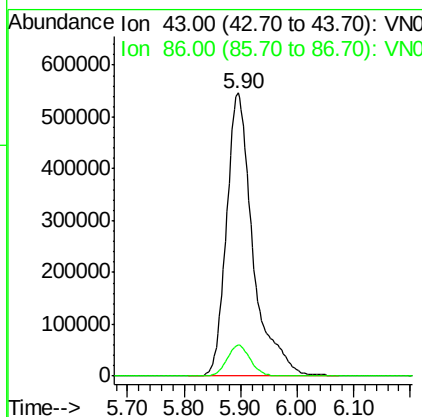
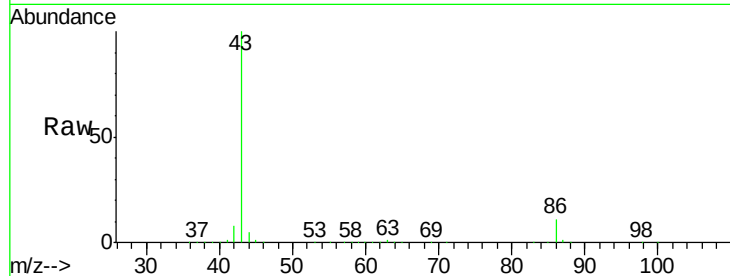
#23
 Vinyl Acetate
 Concen: 284.409 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion: 43 Resp: 1780605
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

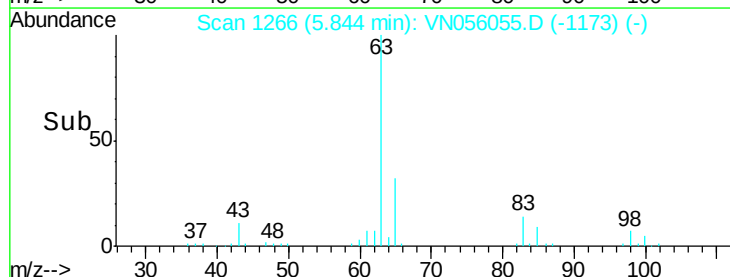
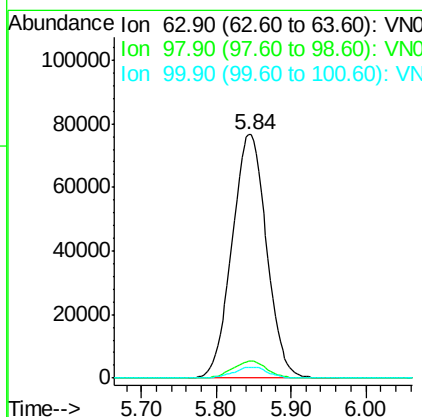
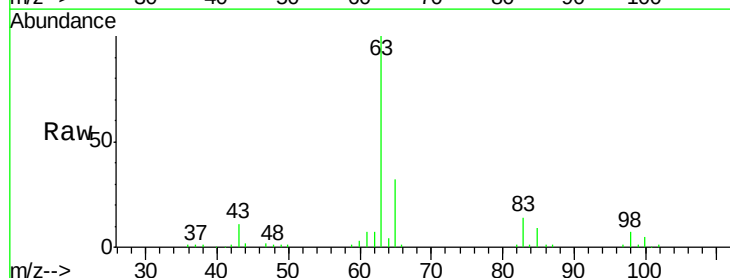
Manual Integrations
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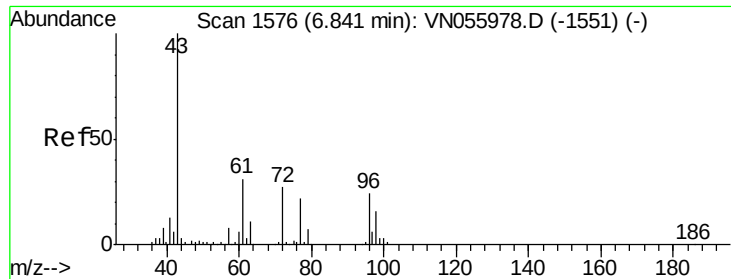
MMDadoda
 6/7/2019 9:37:00 AM



#24
 1,1-Dichloroethane
 Concen: 53.542 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion: 63 Resp: 245538
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.1
 100 4.6 2.2 6.6





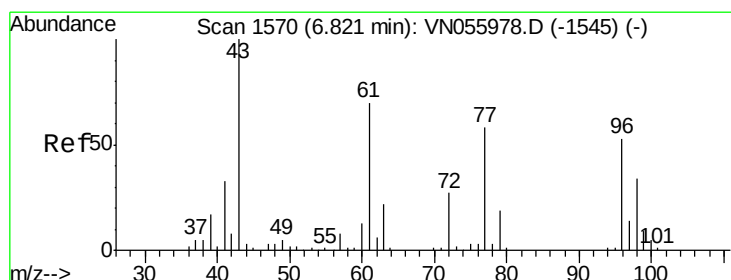
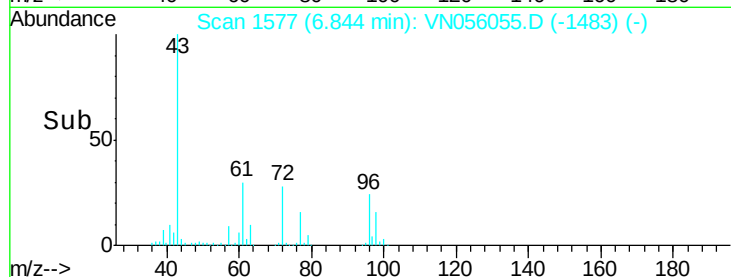
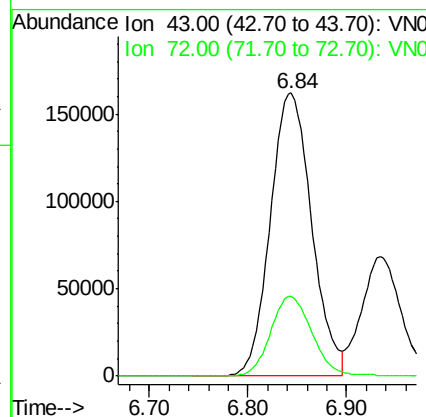
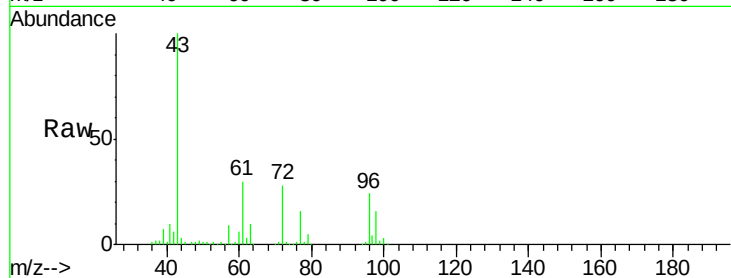
#25
2-Butanone
Concen: 270.118 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.2	21.9	32.9

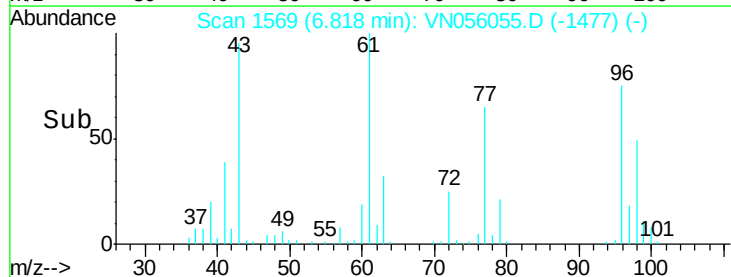
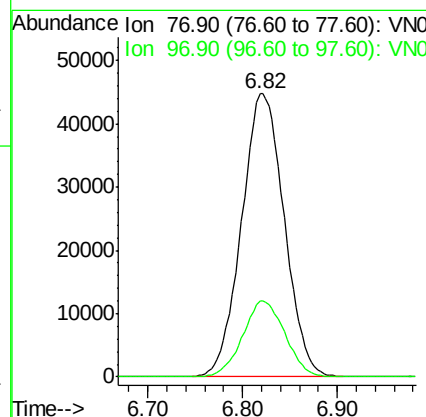
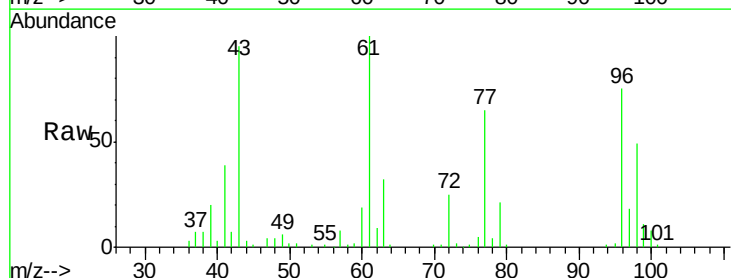
Manual Integrations
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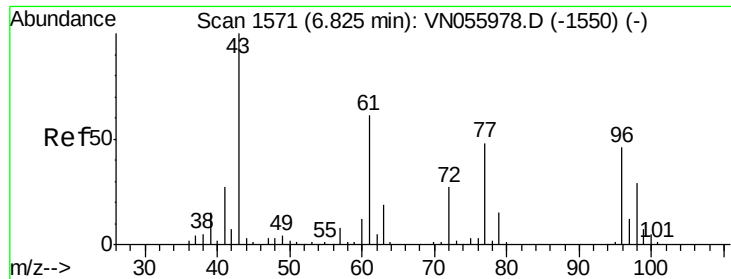
MMDadoda
6/7/2019 9:37:00 AM



#26
2,2-Dichloropropane
Concen: 39.198 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
77	100		
97	26.6	12.2	36.6





#27

cis-1,2-Dichloroethene

Concen: 54.302 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion: 96 Resp: 166573

Ion Ratio Lower Upper

96 100

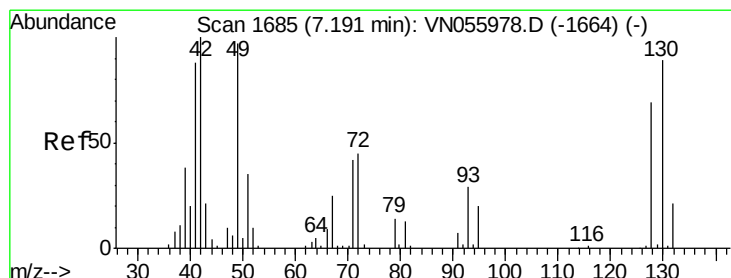
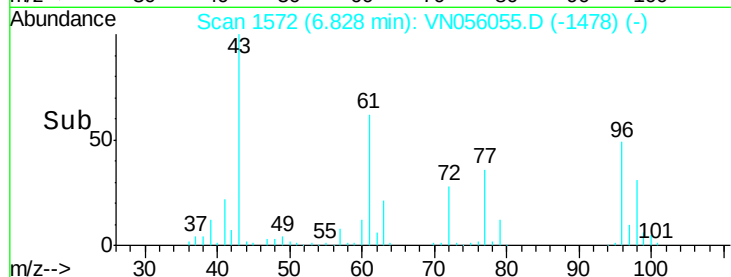
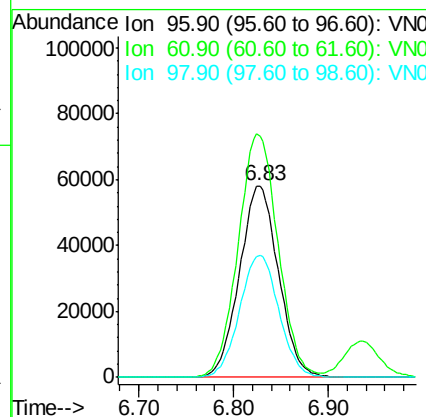
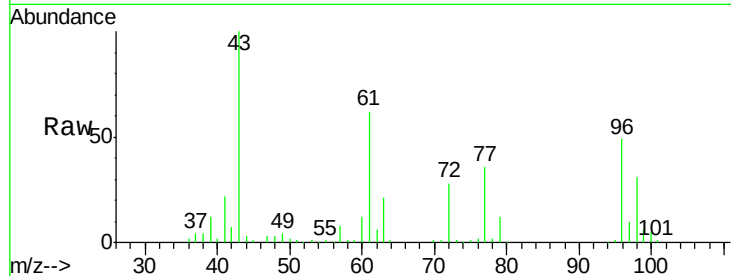
61 129.7 0.0 275.8

98 64.1 0.0 128.4

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MMDadoda

6/7/2019 9:37:00 AM



#28

Bromochloromethane

Concen: 55.581 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

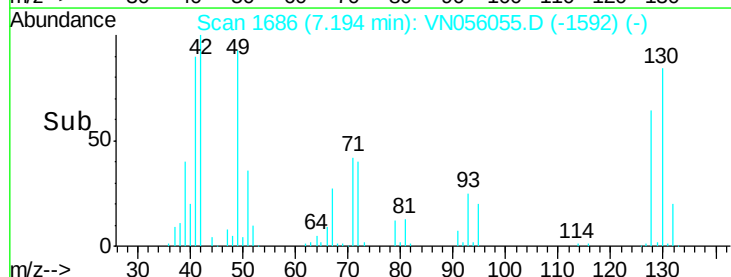
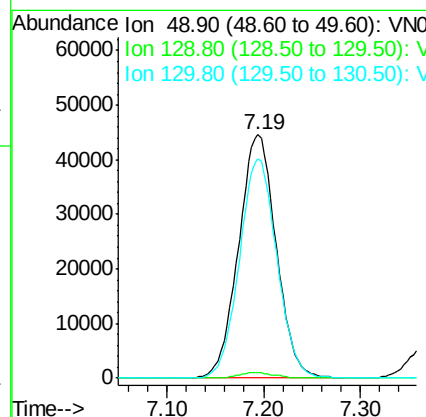
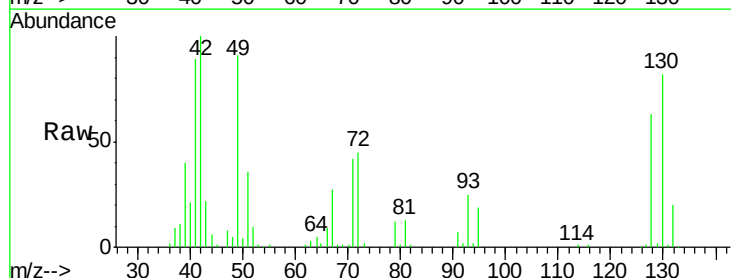
Tgt Ion: 49 Resp: 120537

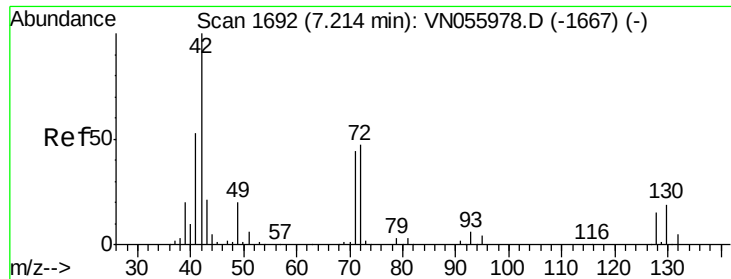
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 89.7 71.2 106.8





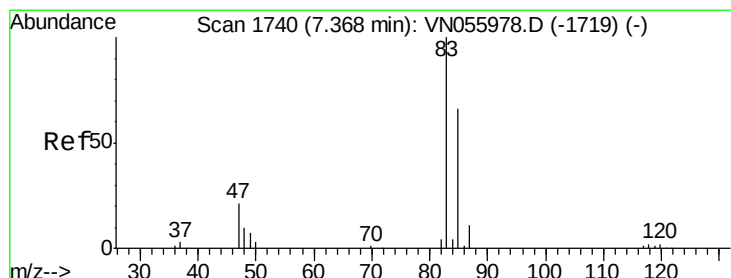
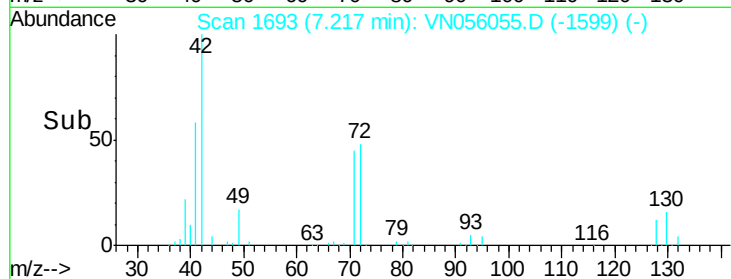
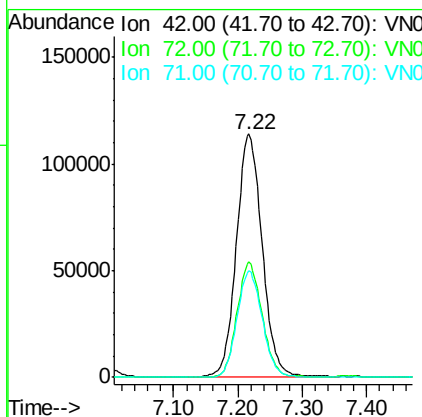
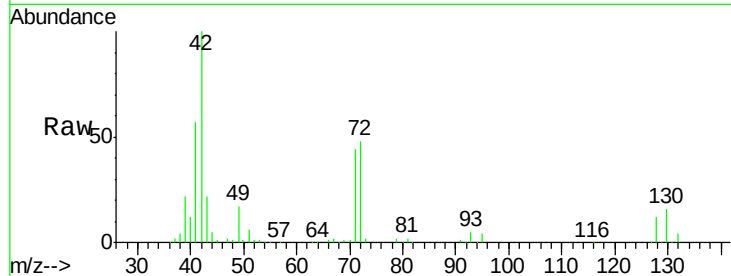
#29
Tetrahydrofuran
Concen: 295.693 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.9	53.9
71	42.9	34.0	51.0

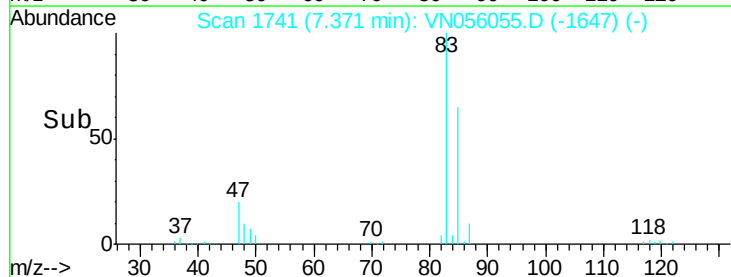
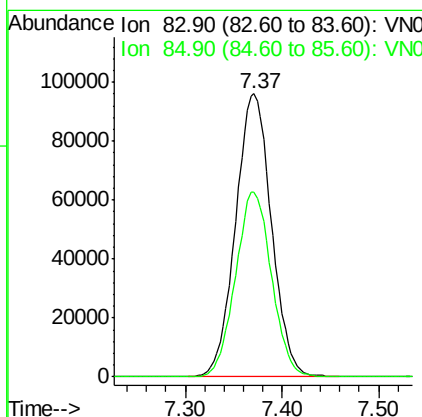
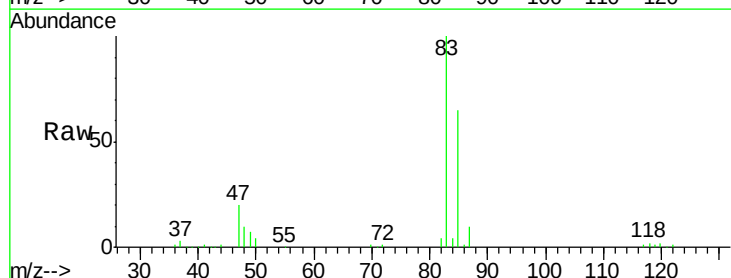
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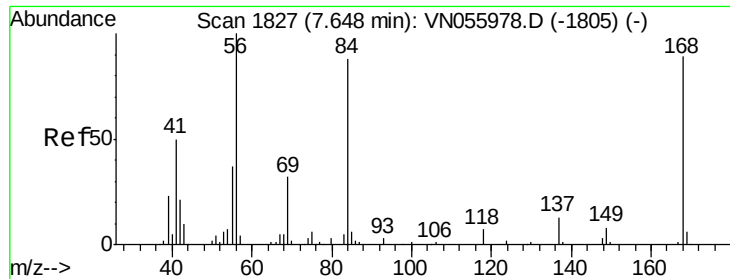
MMDadoda
6/7/2019 9:37:00 AM



#30
Chloroform
Concen: 53.677 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8





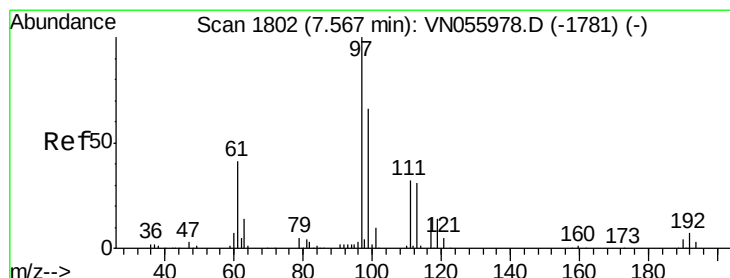
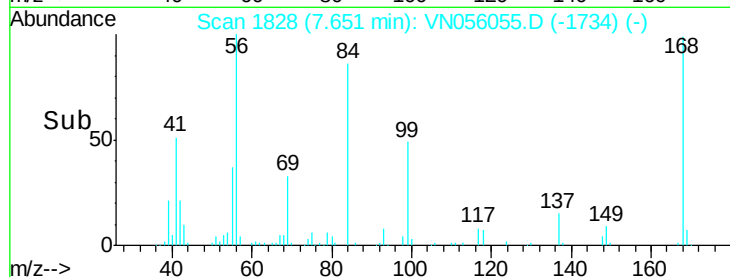
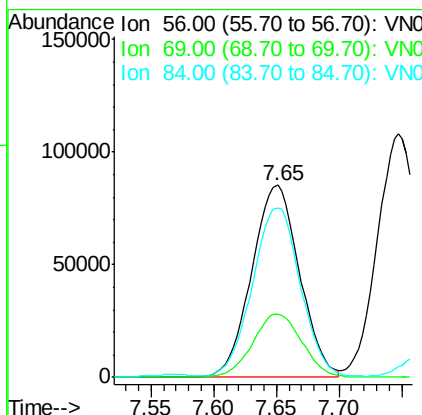
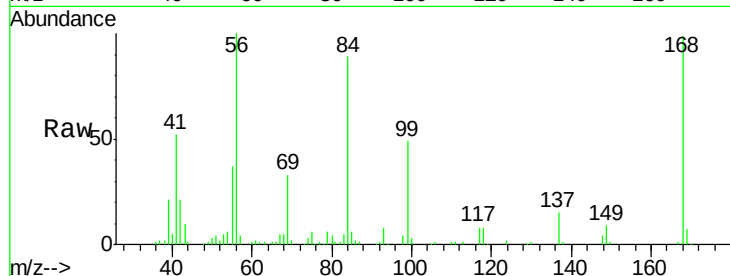
#31
Cyclohexane
Concen: 49.474 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Resp	Lower	Upper
56	100	226151		
69	33.0		25.6	38.4
84	87.3		67.4	101.0

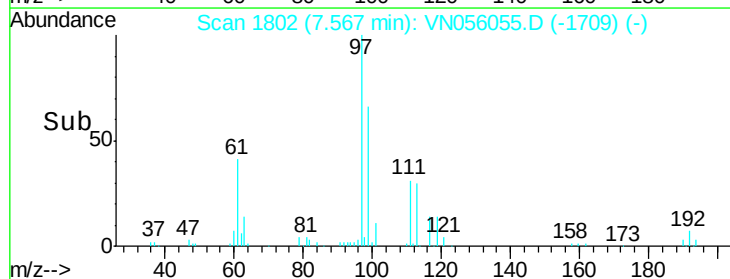
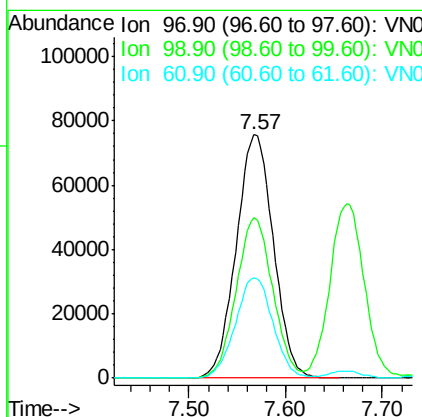
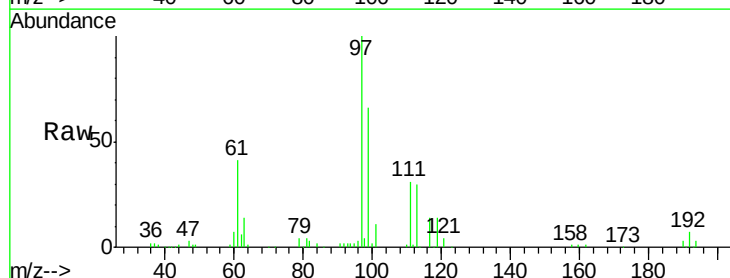
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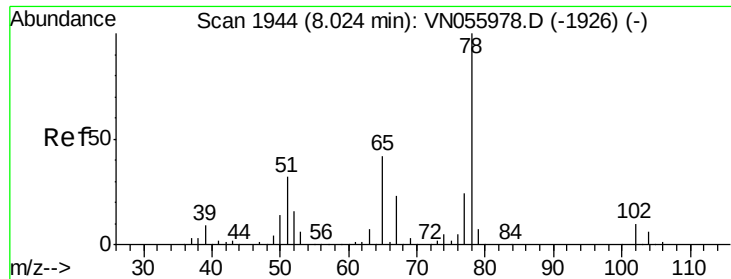
MMDadoda
6/7/2019 9:37:00 AM



#32
1,1,1-Trichloroethane
Concen: 52.563 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	202493		
99	64.9		52.0	78.0
61	41.5		32.9	49.3





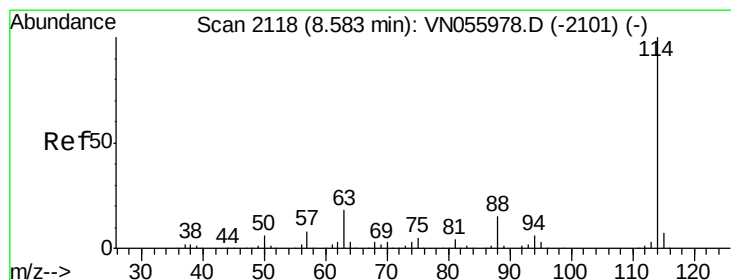
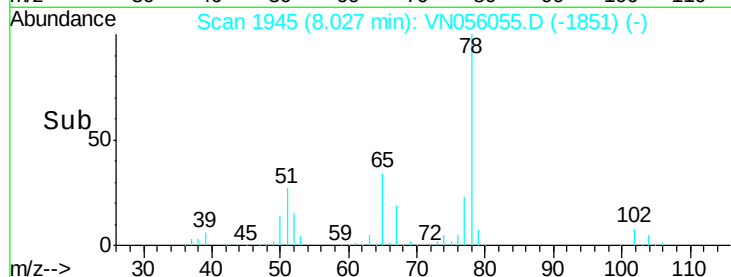
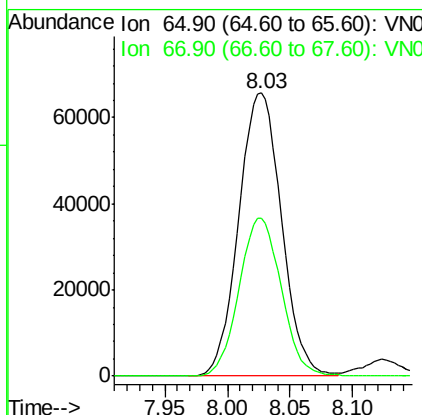
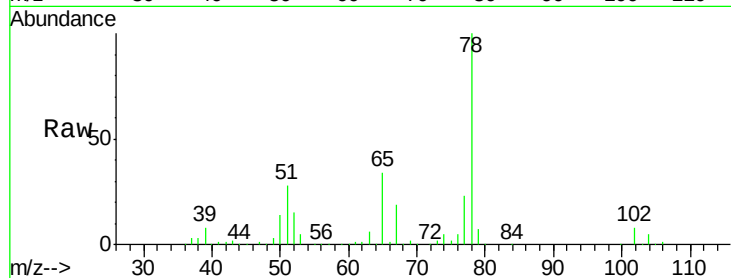
#33
 1,2-Dichloroethane-d4
 Concen: 54.149 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	155989		
67	55.2	0.0	109.2	

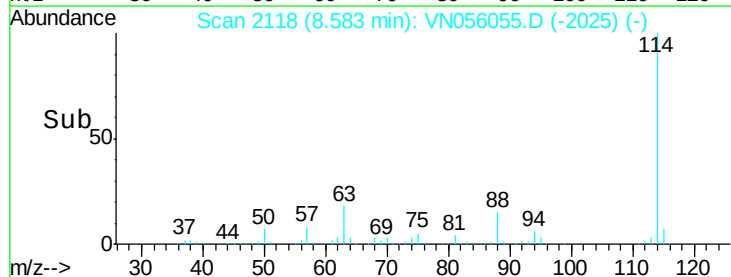
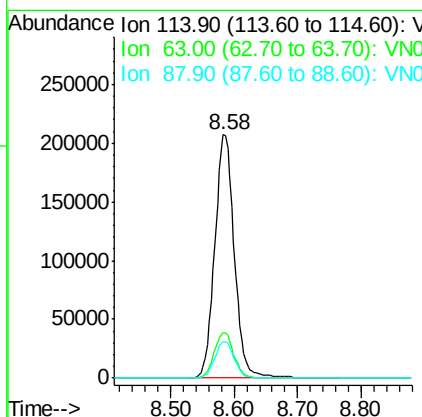
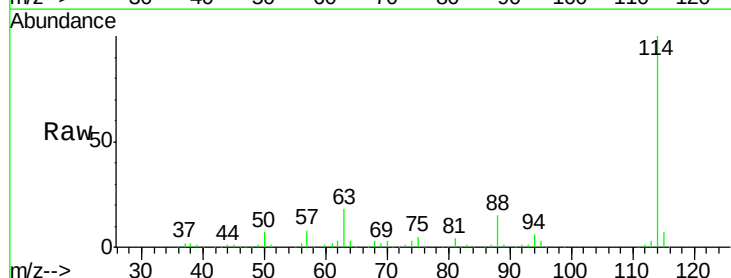
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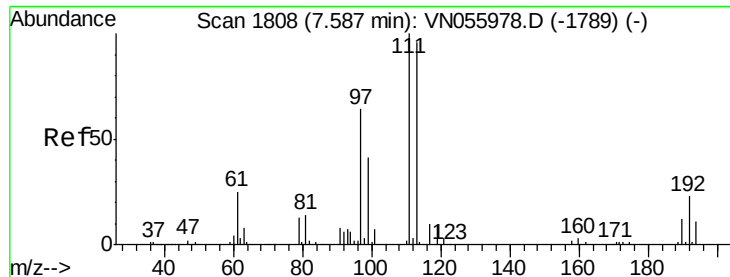
MMDadoda
 6/7/2019 9:37:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	442738		
63	18.4	0.0	39.2	
88	14.9	0.0	31.0	





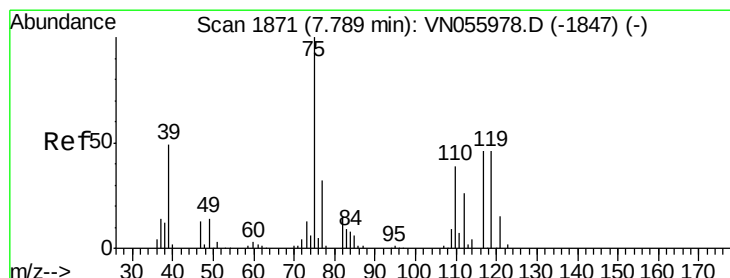
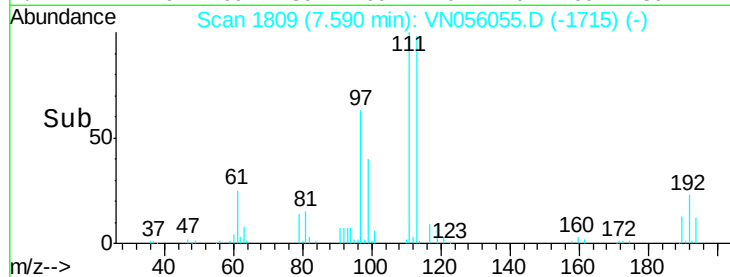
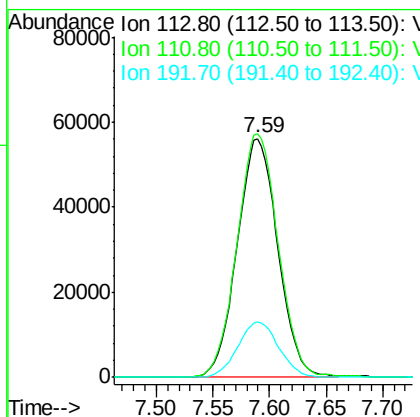
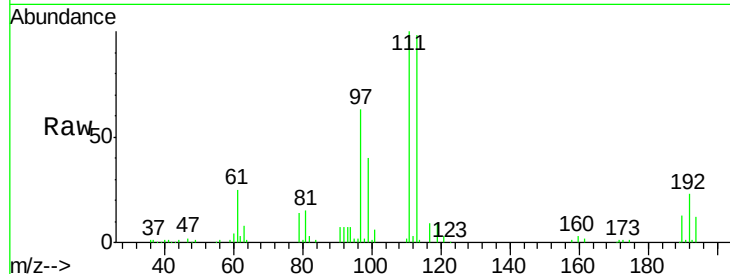
#35
 Dibromofluoromethane
 Concen: 51.674 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	81.9	122.9	
192	23.3	19.5	29.3	

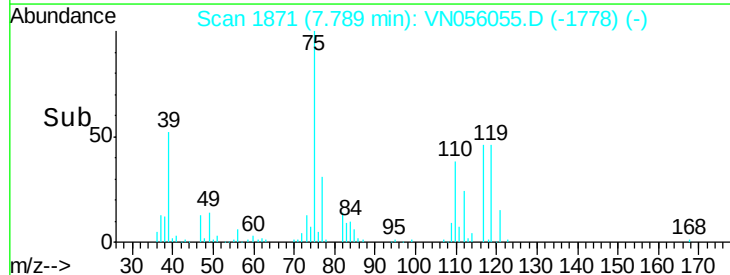
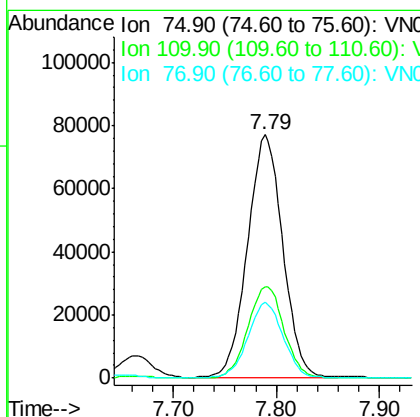
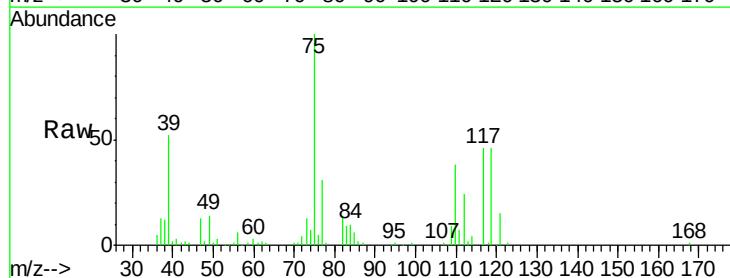
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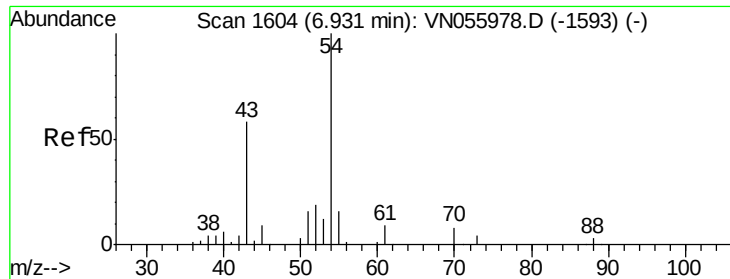
MMDadoda
 6/7/2019 9:37:00 AM



#36
 1,1-Dichloropropene
 Concen: 47.833 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.6	19.0	57.0	
77	31.3	25.1	37.7	





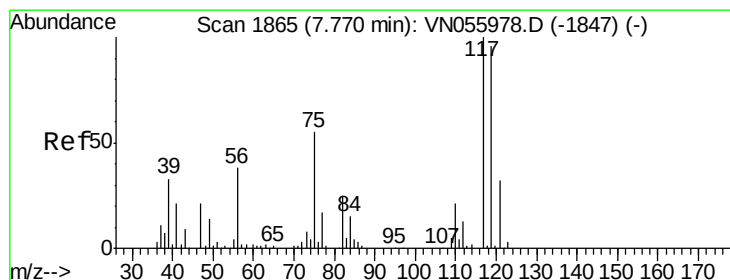
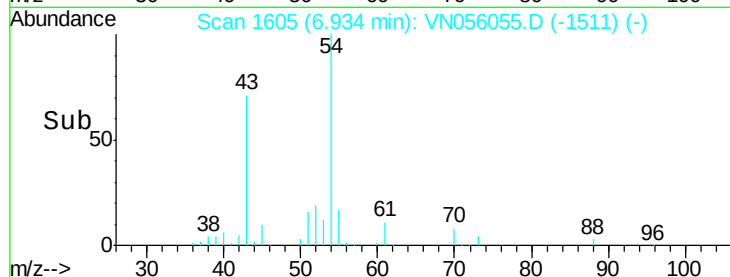
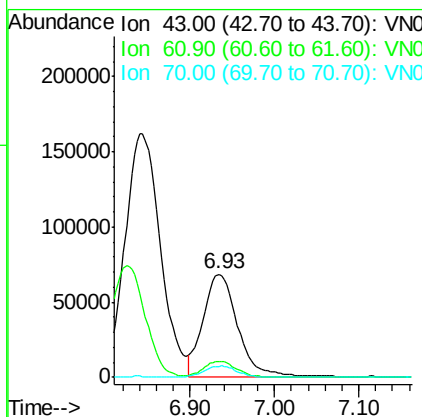
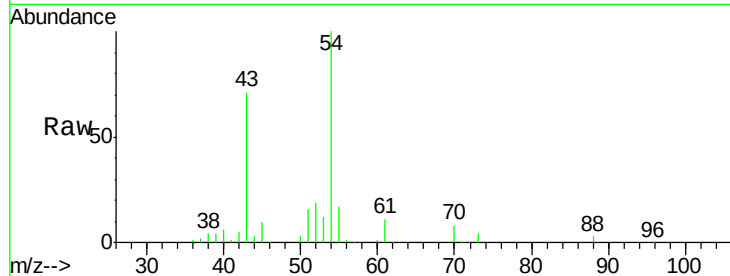
#37
Ethyl Acetate
Concen: 56.951 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	10.8	8.9	13.3

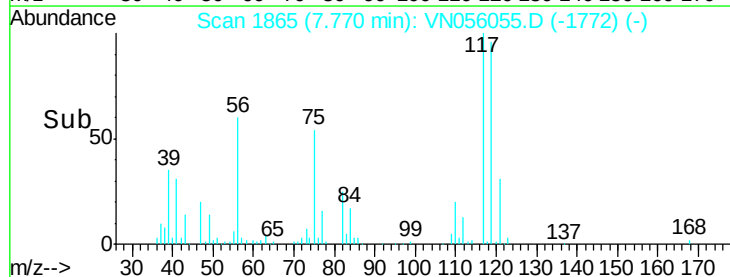
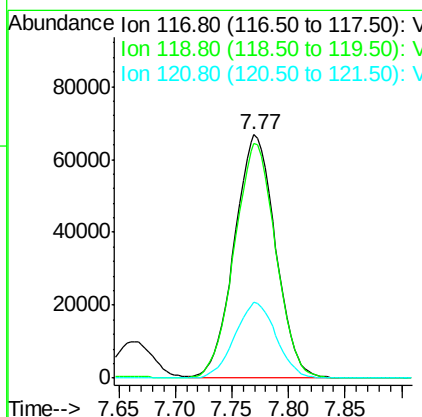
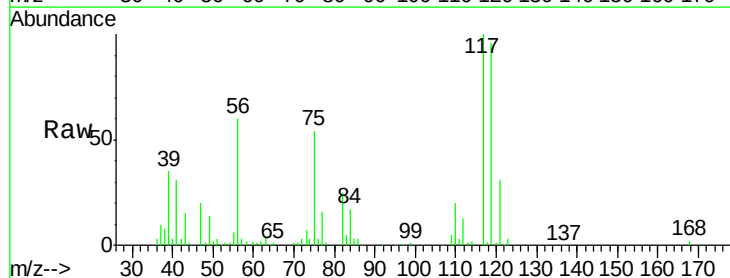
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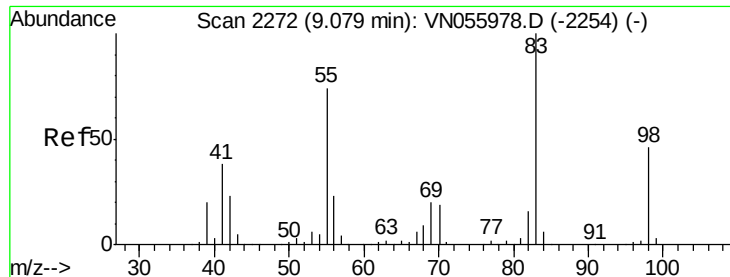
MMDadoda
6/7/2019 9:37:00 AM



#38
Carbon Tetrachloride
Concen: 47.895 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	79.0	118.6
121	31.0	24.7	37.1





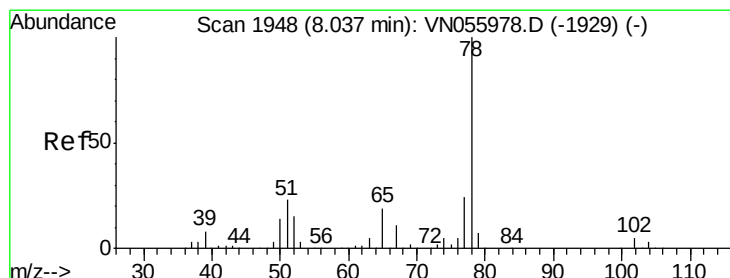
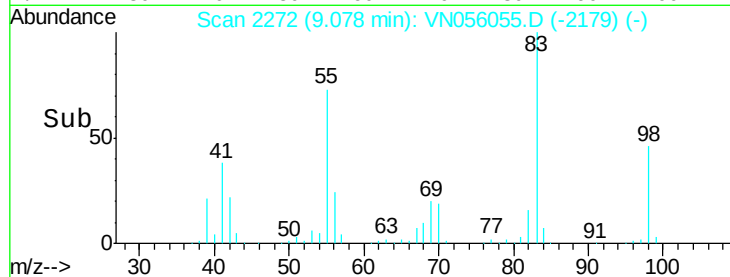
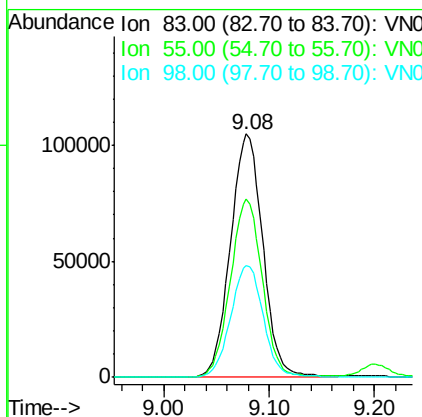
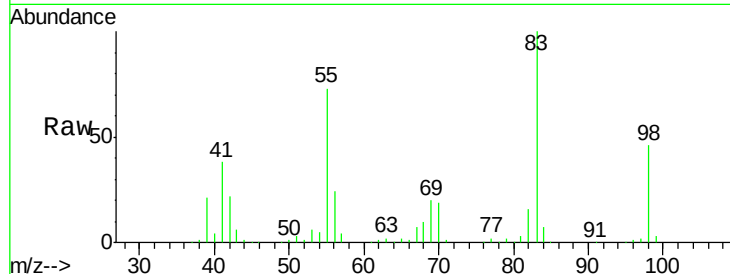
#39
Methylvlcyclohexane
Concen: 47.185 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	59.3	88.9
98	46.0	36.6	54.8

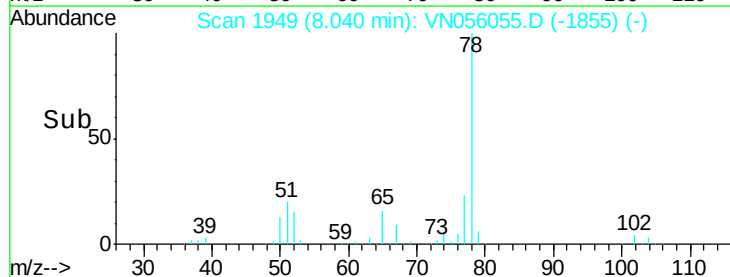
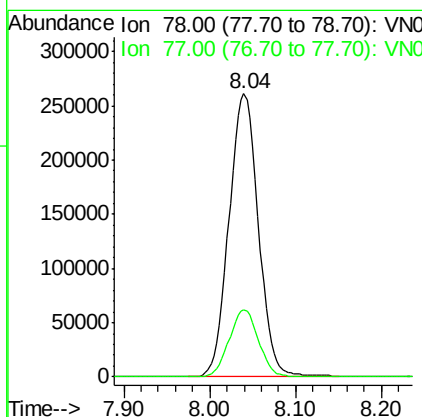
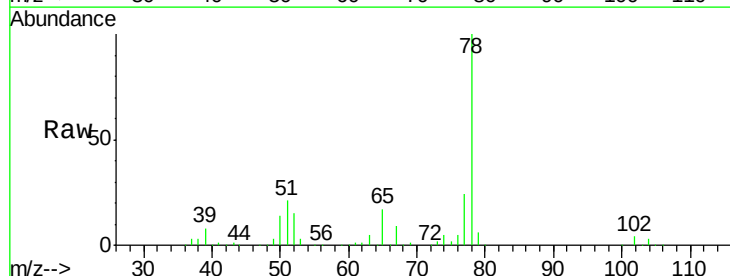
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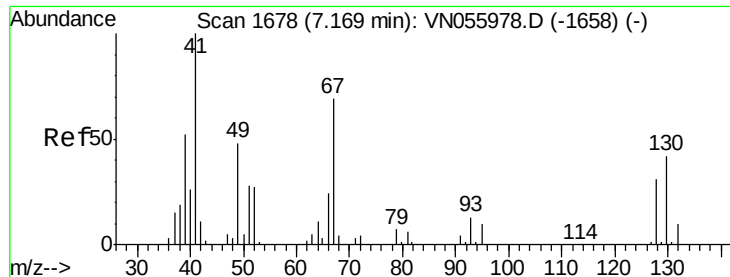
MMDadoda
6/7/2019 9:37:00 AM



#40
Benzene
Concen: 53.748 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





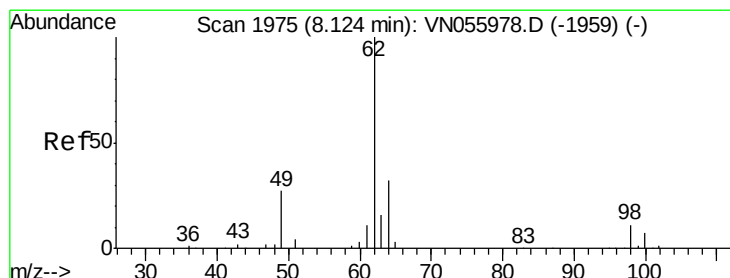
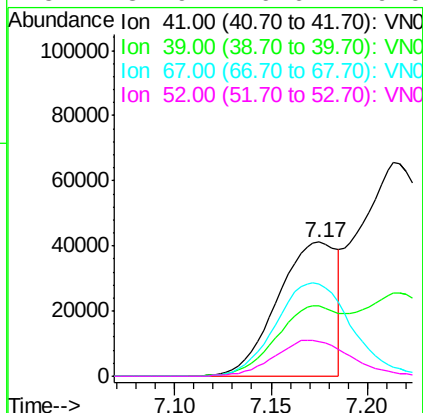
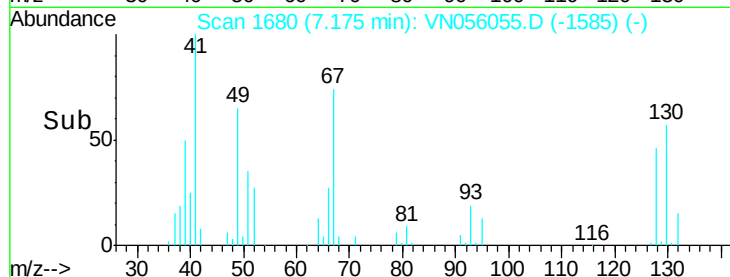
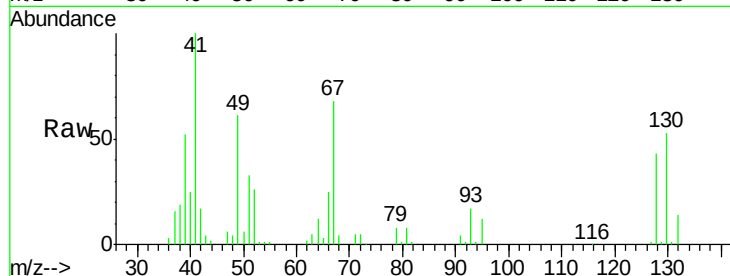
#41
Methacrylonitrile
Concen: 56.673 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.4	45.6	68.4	
67	89.7	67.7	101.5	
52	34.9	26.6	40.0	

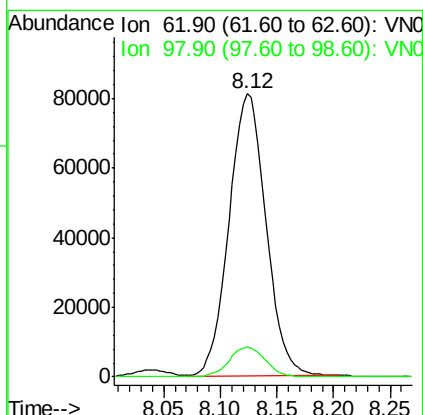
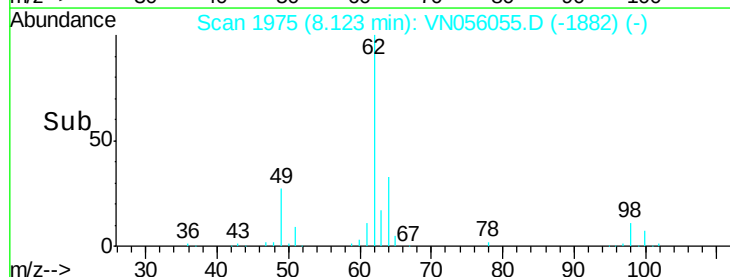
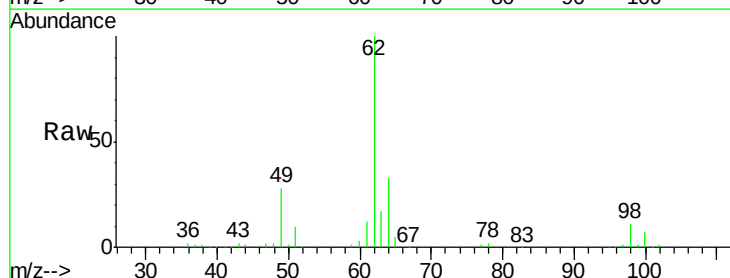
Manual Integrations
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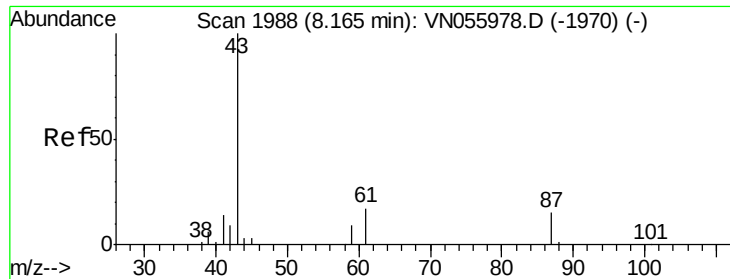
MMDadoda
6/7/2019 9:37:00 AM



#42
1,2-Dichloroethane
Concen: 49.759 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.2	





#43

Isopropyl Acetate

Concen: 53.558 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

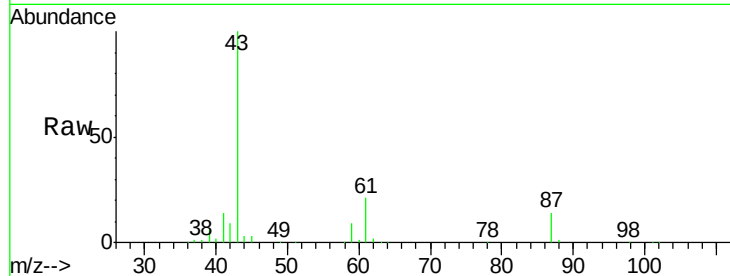
ClientSampleId :

LF015RW050-190604MS

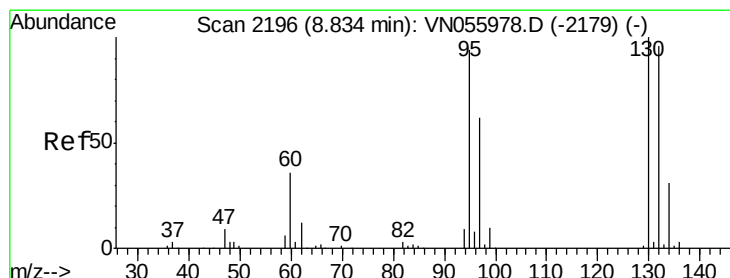
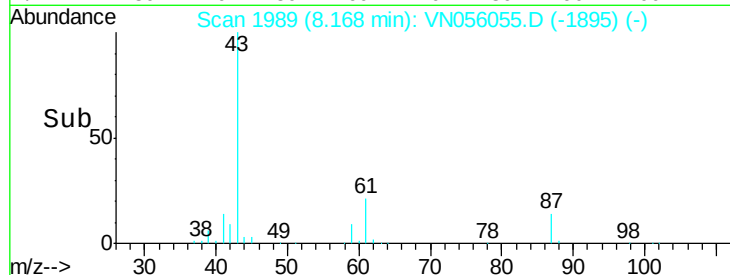
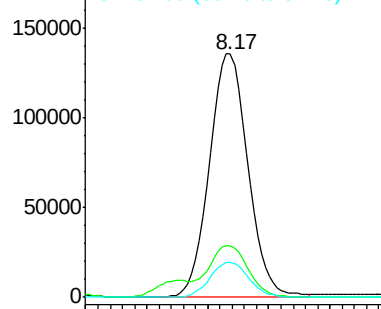
Tot Ion:	43	Resp:	293978
Ion	Ratio	Lower	Upper
43	100		
61	21.0	22.2	33.4#
87	14.5	11.4	17.2

Manual Integrations
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MMDadoda
6/7/2019 9:37:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 48.873 ug/l

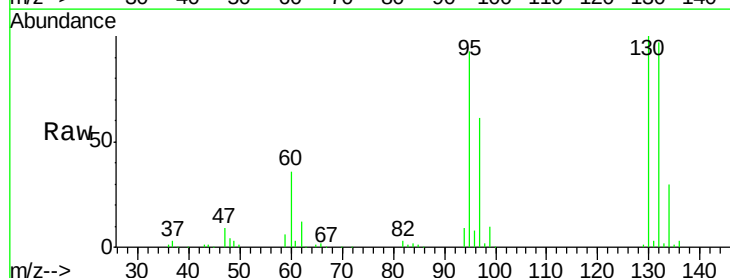
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

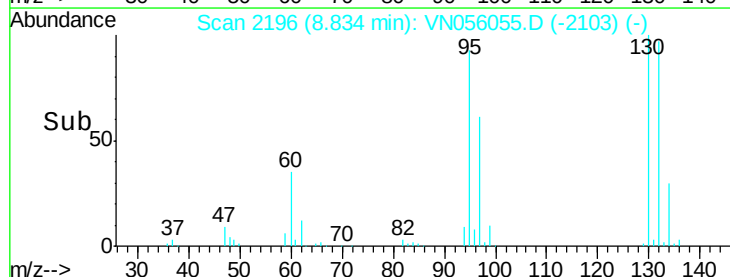
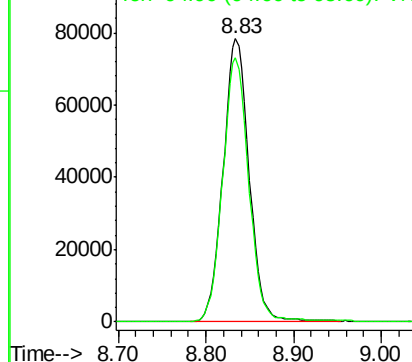
Lab File: VN056055.D

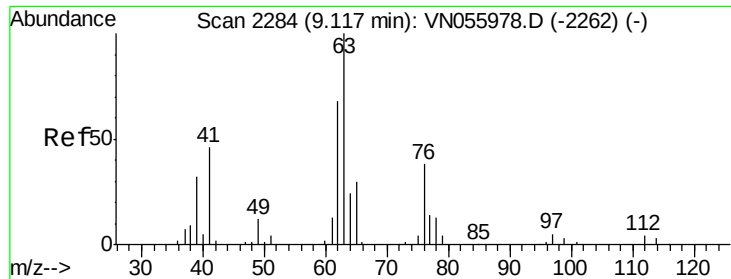
Acq: 6 Jun 2019 19:07

Tgt Ion:	130	Resp:	162380
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)





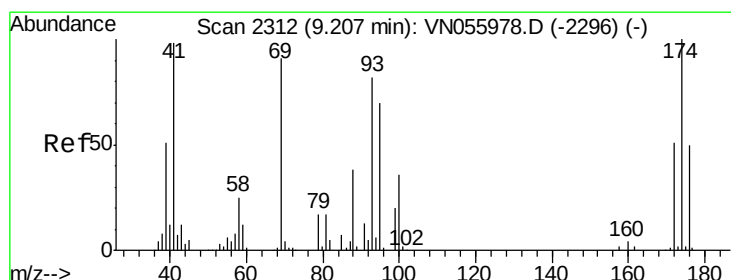
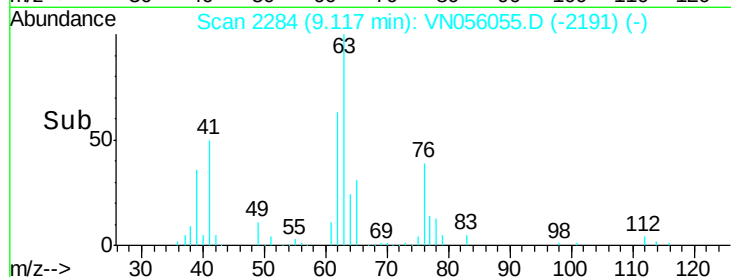
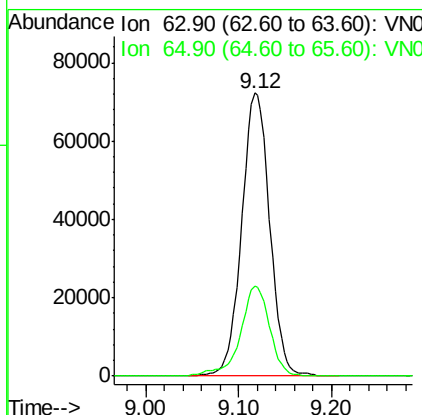
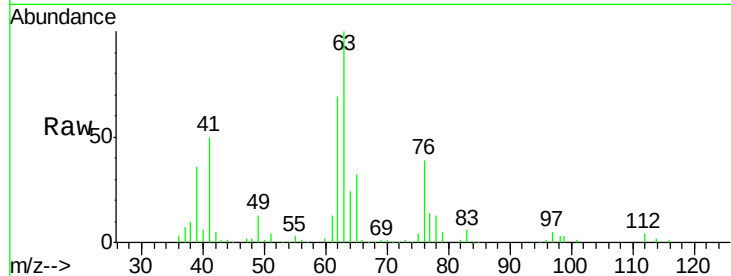
#45
 1,2-Dichloropropane
 Concen: 51.309 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion: 63 Resp: 151959
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.6 36.8

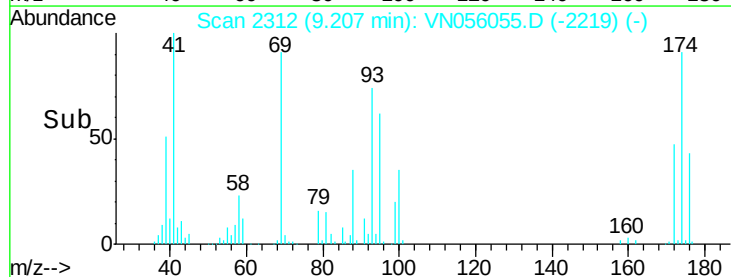
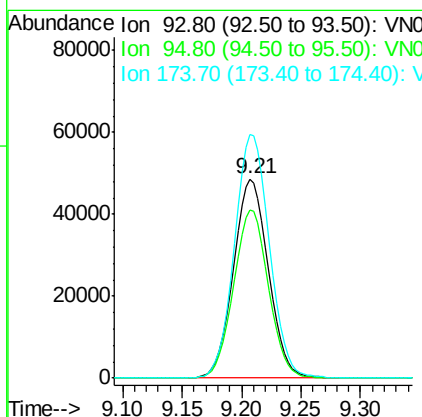
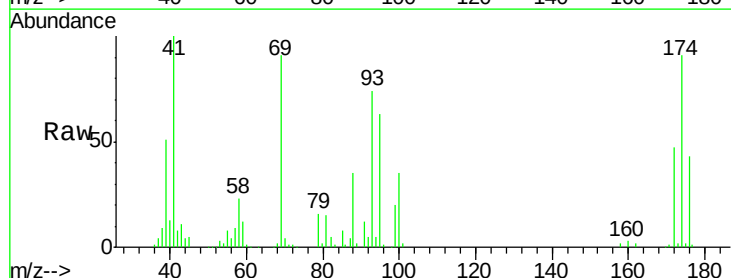
Manual Integrations
 APPROVED

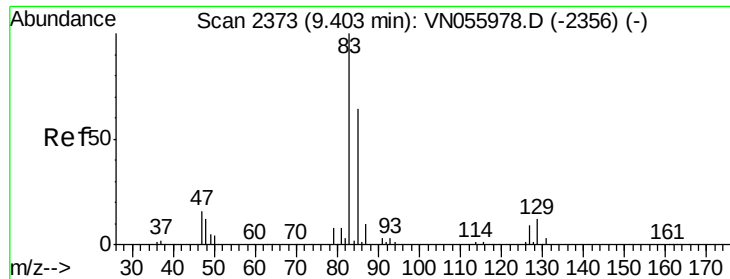
MMDadoda
 6/7/2019 9:37:00 AM



#46
 Dibromomethane
 Concen: 51.132 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion: 93 Resp: 99027
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 122.2 96.4 144.6





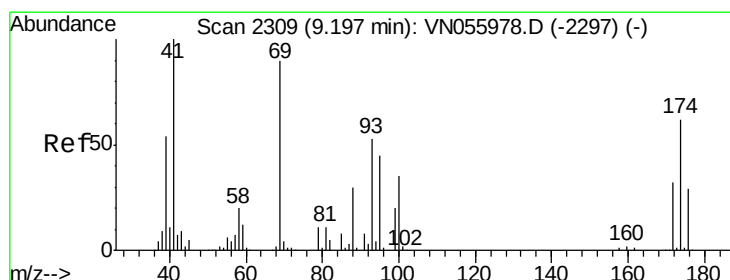
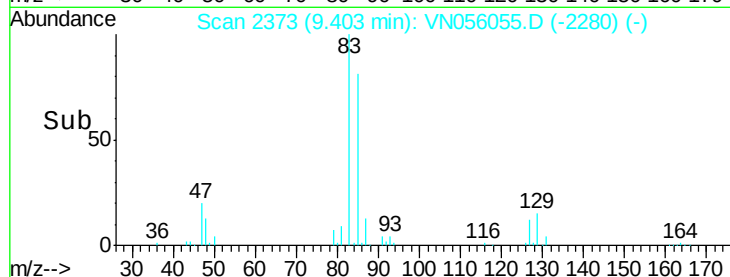
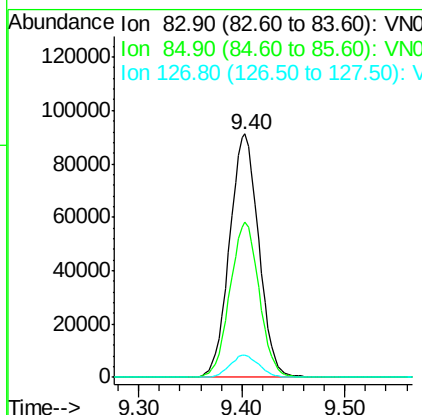
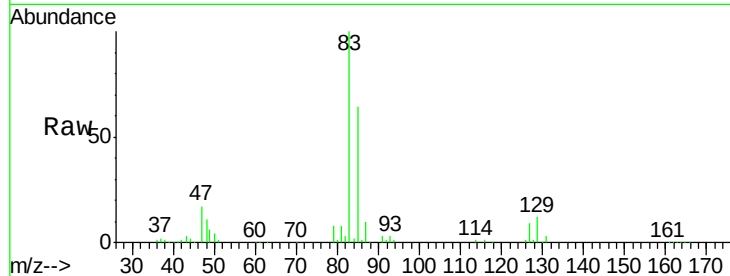
#47
Bromodichloromethane
Concen: 51.197 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	83	Resp	179707
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	52.2	78.2
127	9.2	7.4	11.0

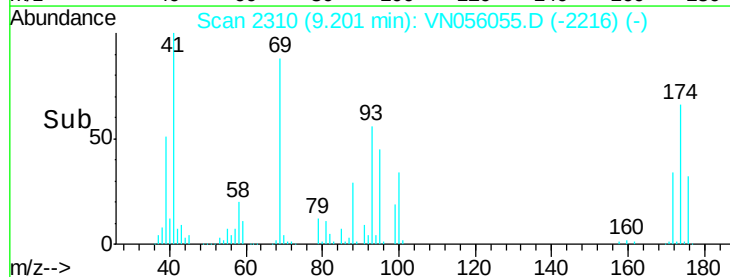
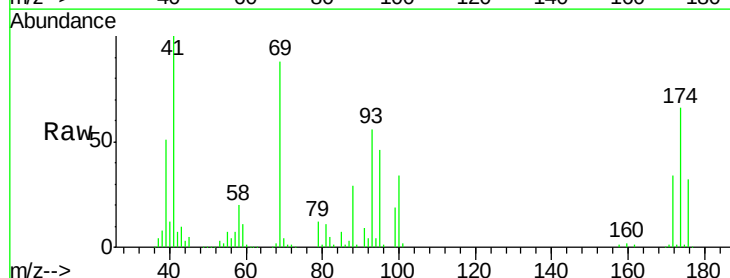
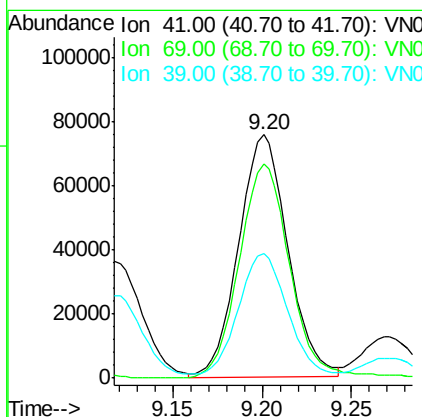
Manual Integrations
APPROVED

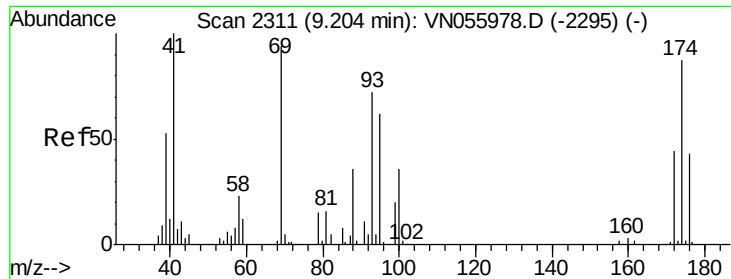
MMDadoda
6/7/2019 9:37:00 AM



#48
Methyl methacrylate
Concen: 54.255 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	41	Resp	145694
Ion Ratio	100	Lower	Upper
41	100		
69	90.4	71.0	106.6
39	52.0	44.2	66.2





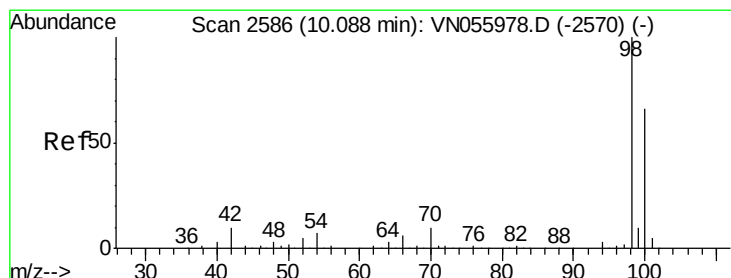
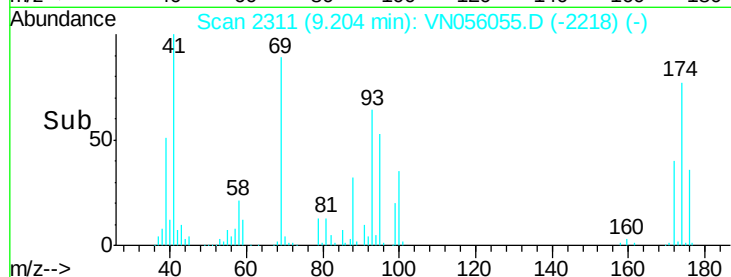
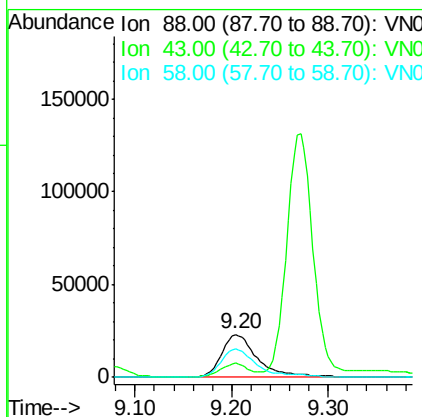
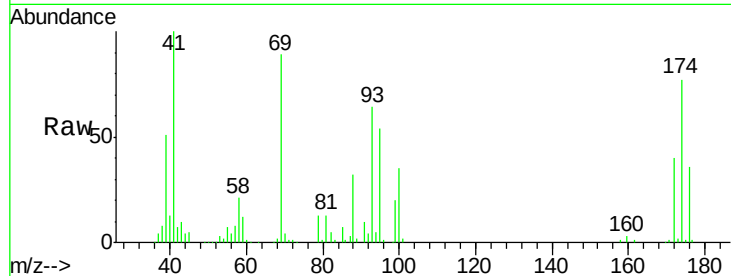
#49
1,4-Dioxane
Concen: 1036.771 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100	60105		
43	25.3		20.5	30.7
58	63.2		55.8	83.6

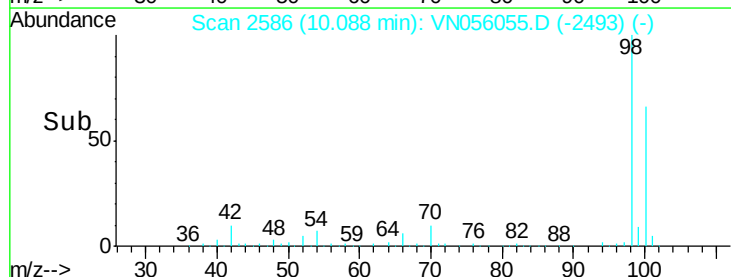
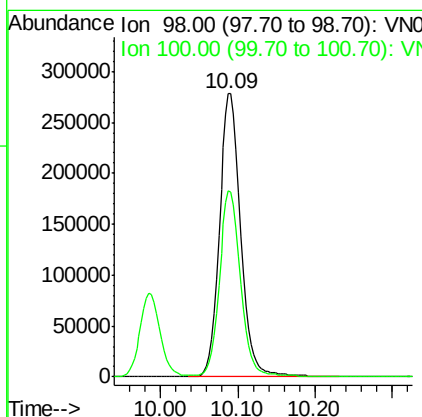
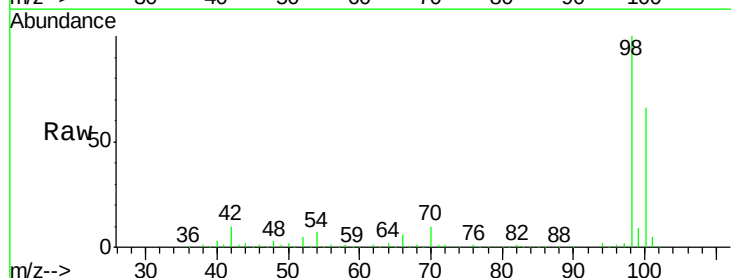
Manual Integrations
APPROVED

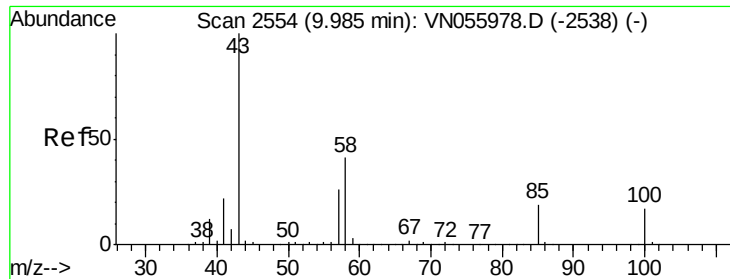
MMDadoda
6/7/2019 9:37:00 AM



#50
Toluene-d8
Concen: 51.105 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	534179		
100	65.6		51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 274.482 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion: 43 Resp: 942159

Ion Ratio Lower Upper

43 100

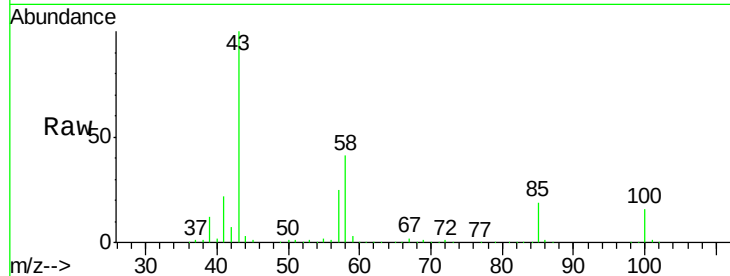
58 40.5 32.1 48.1

Manual Integrations

APPROVED

MMDadoda

6/7/2019 9:37:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

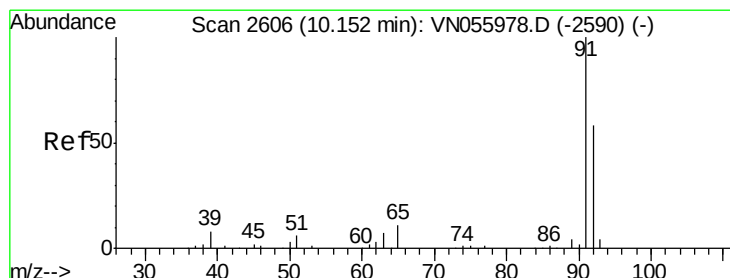
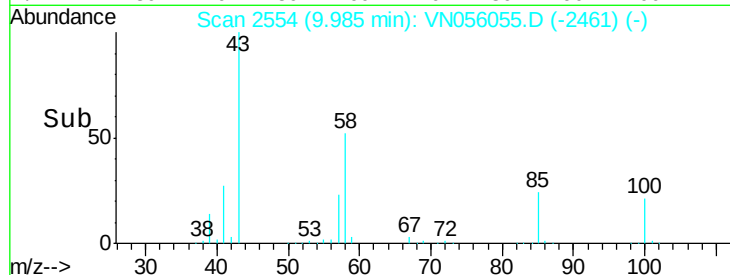
200000

100000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 50.742 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056055.D

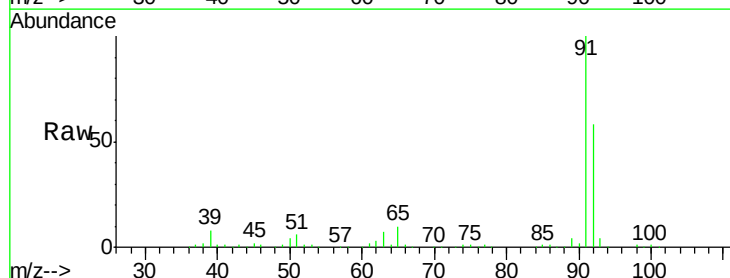
Acq: 6 Jun 2019 19:07

Tgt Ion: 92 Resp: 365081

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

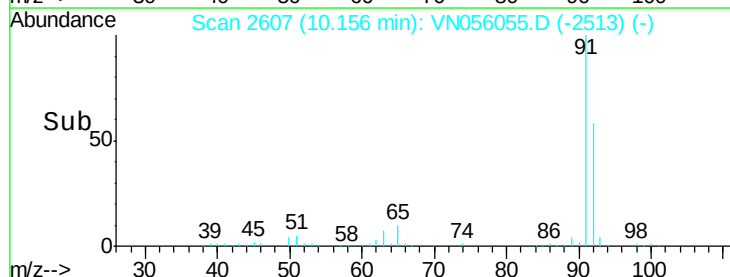
200000

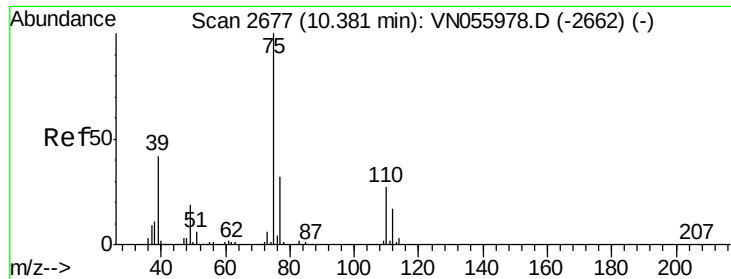
100000

0

10.10 10.20 10.30

Time-->





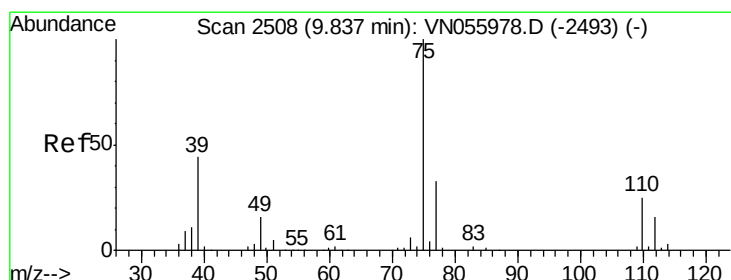
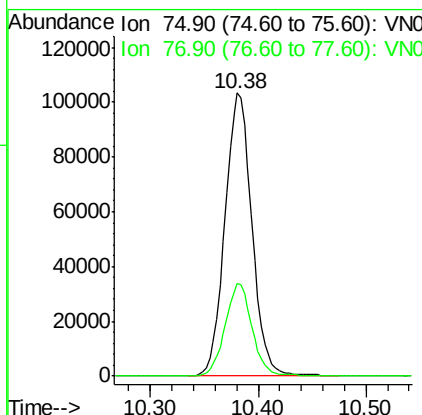
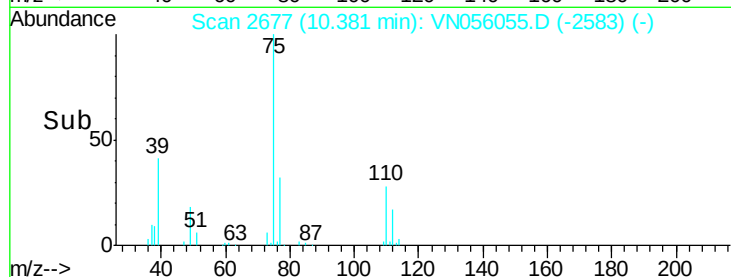
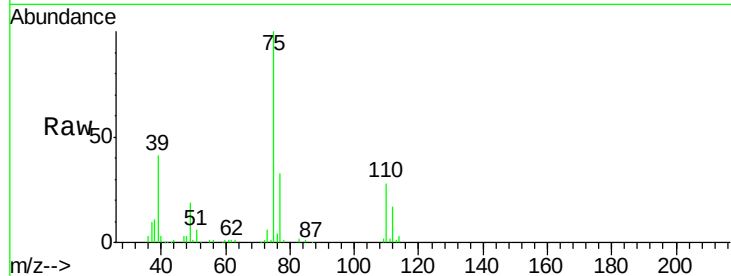
#53
t-1,3-Dichloropropene
Concen: 44.061 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion: 75 Resp: 180093
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6

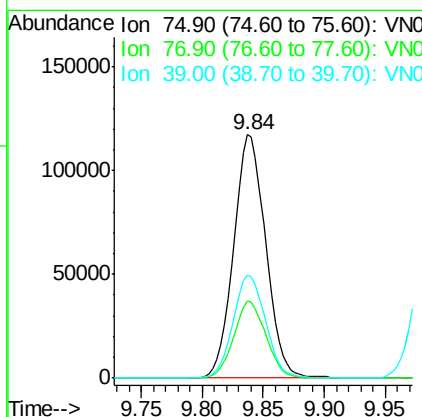
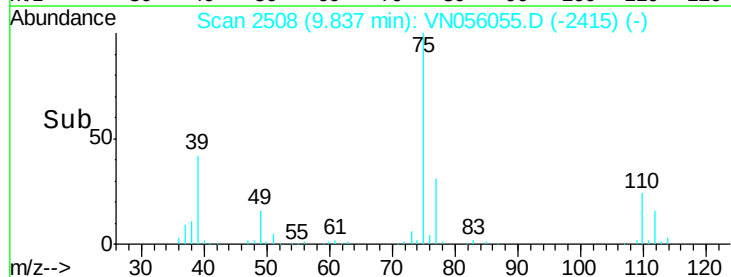
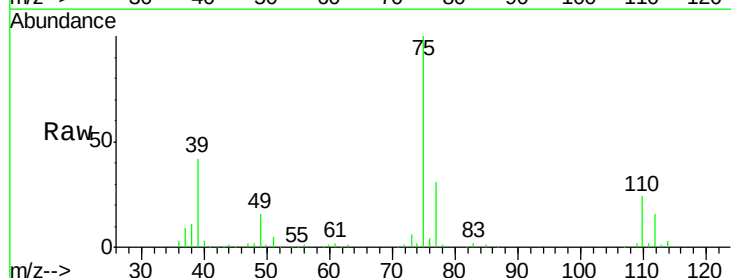
Manual Integrations
APPROVED

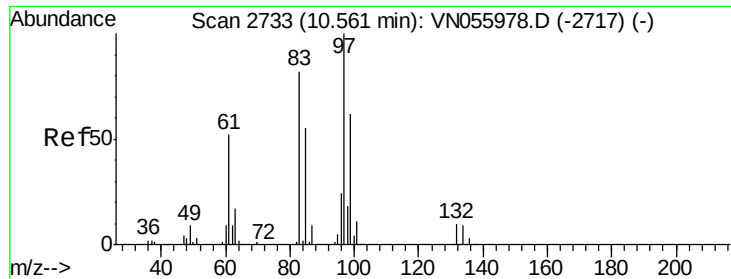
MMDadoda
6/7/2019 9:37:00 AM



#54
cis-1,3-Dichloropropene
Concen: 50.768 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 75 Resp: 214201
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 42.3 36.3 54.5





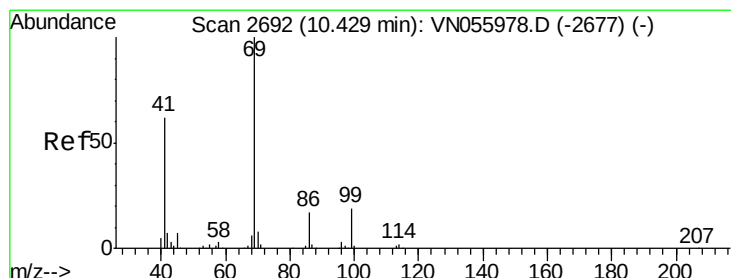
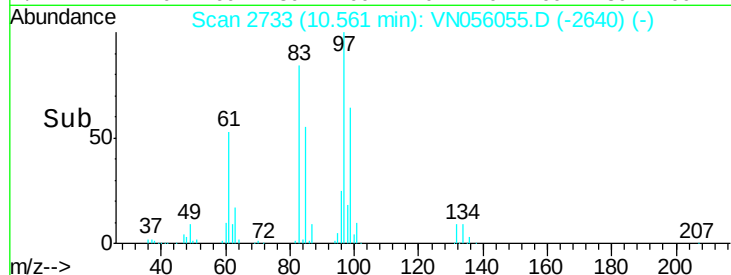
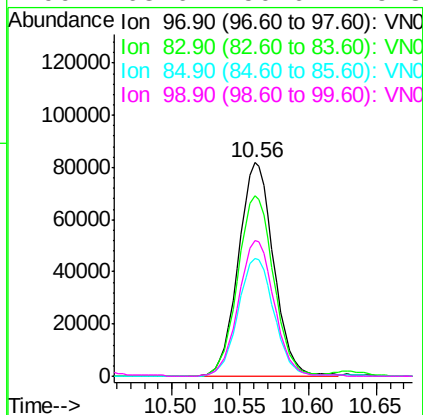
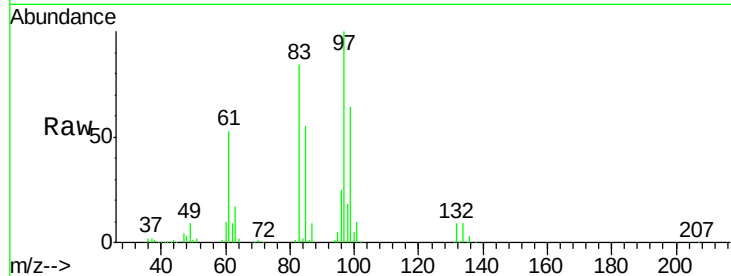
#55
 1,1,2-Trichloroethane
 Concen: 51.631 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion:	97	Resp:	147149
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.0	100.6
85	55.4	44.0	66.0
99	63.6	50.6	75.8

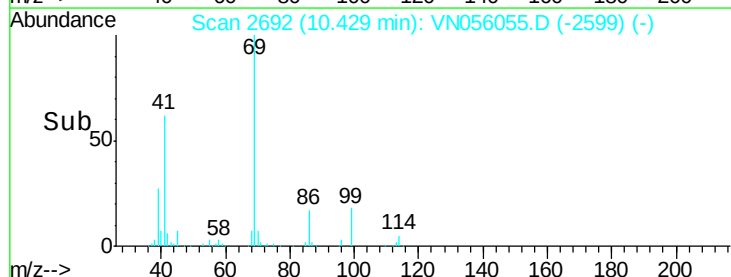
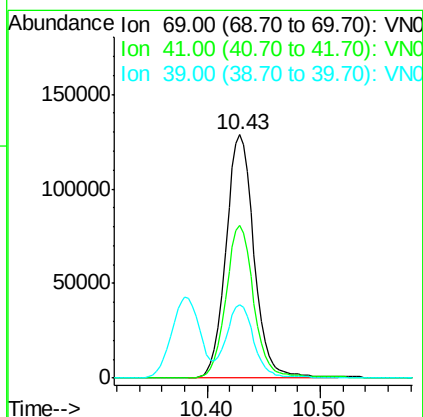
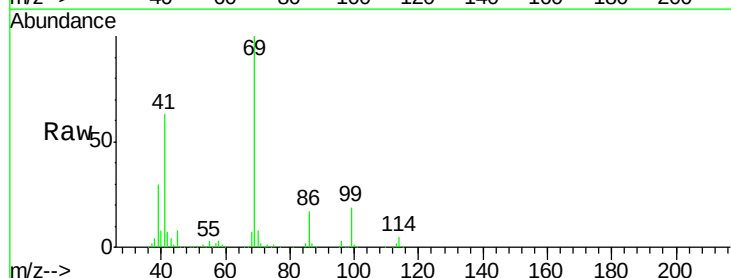
Manual Integrations
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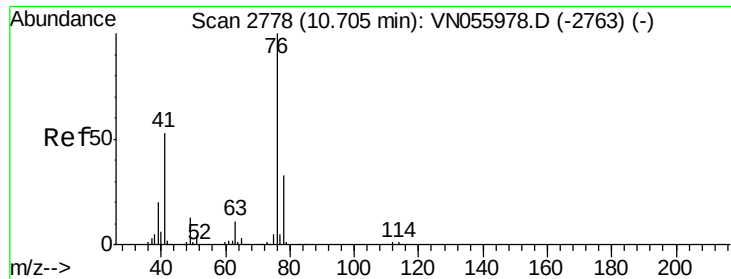
MMDadoda
 6/7/2019 9:37:00 AM



#56
 Ethyl methacrylate
 Concen: 53.588 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion:	69	Resp:	222813
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.7	74.5
39	29.4	24.7	37.1





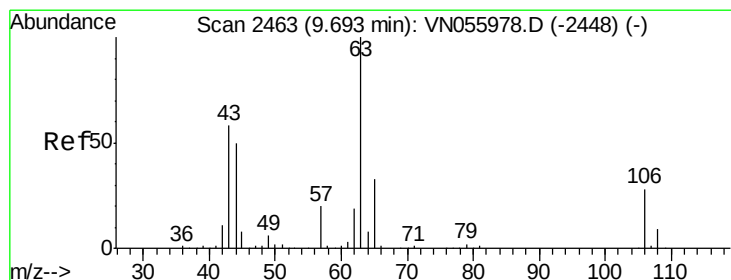
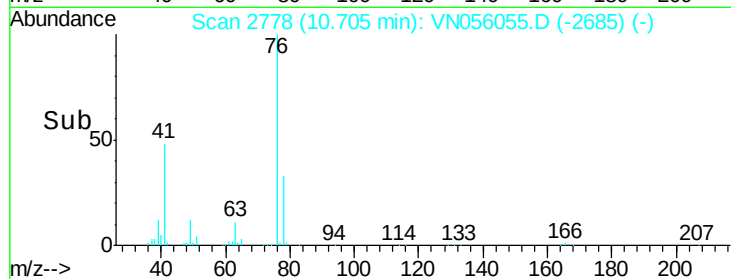
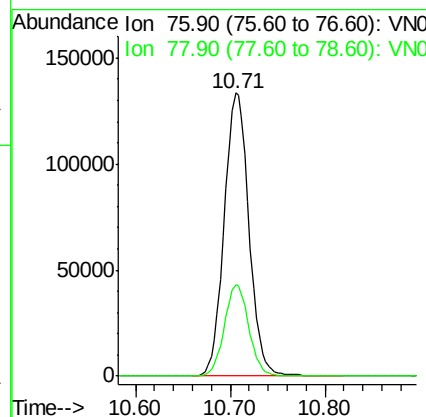
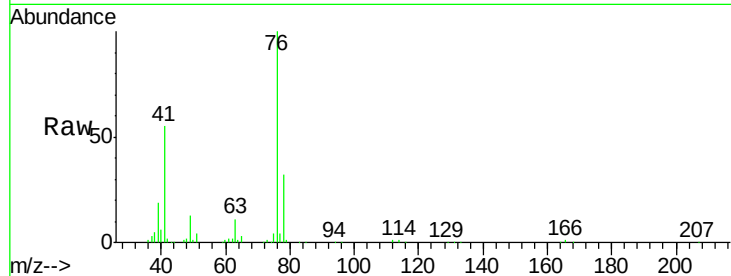
#57
 1,3-Dichloropropane
 Concen: 52.487 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

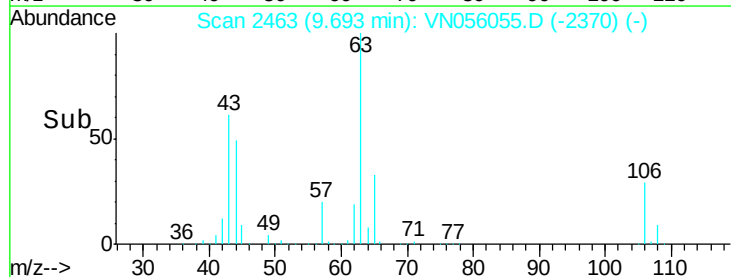
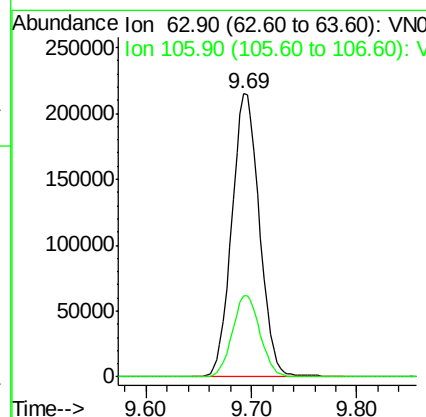
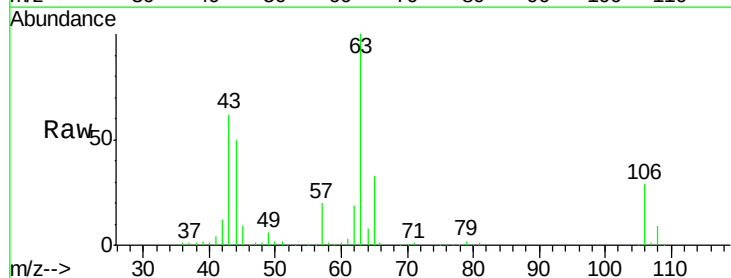
Manual Integrations
 APPROVED

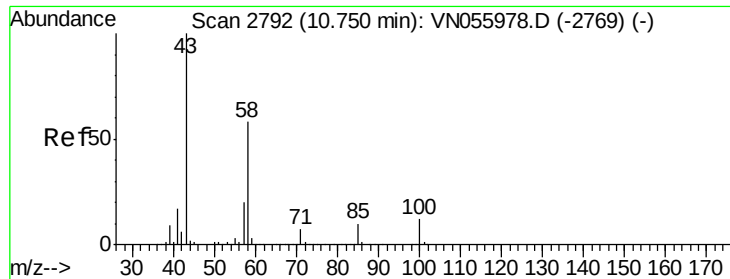
MMDadoda
 6/7/2019 9:37:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.157 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.7	34.1





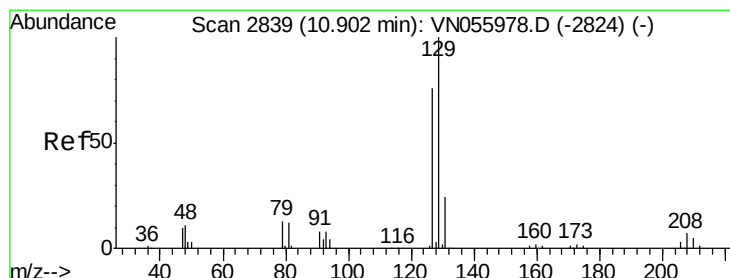
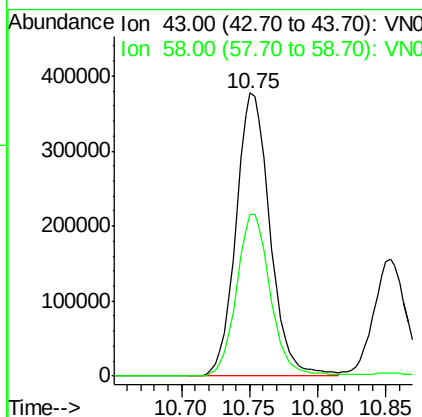
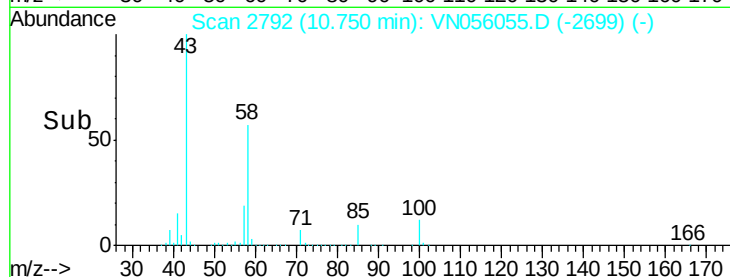
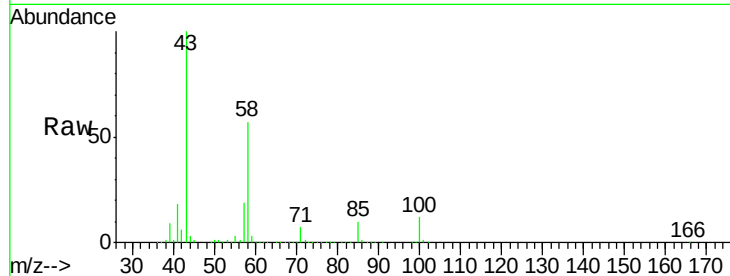
#59
2-Hexanone
Concen: 261.523 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion: 43 Resp: 650616
Ion Ratio Lower Upper
43 100
58 57.3 28.2 84.7

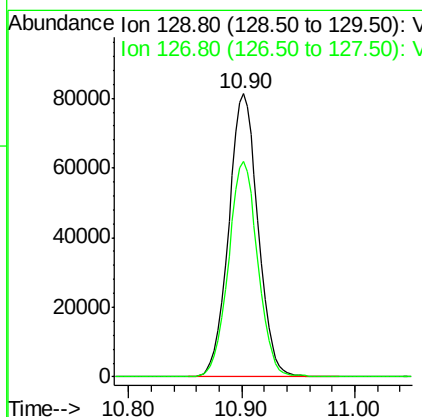
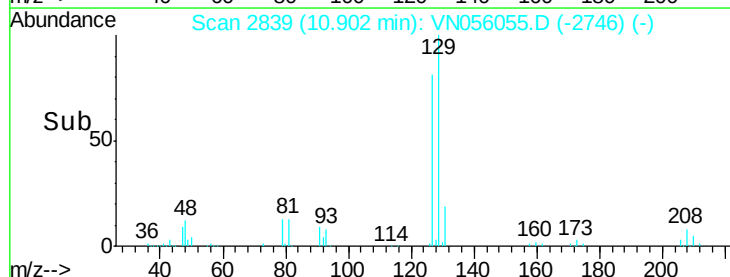
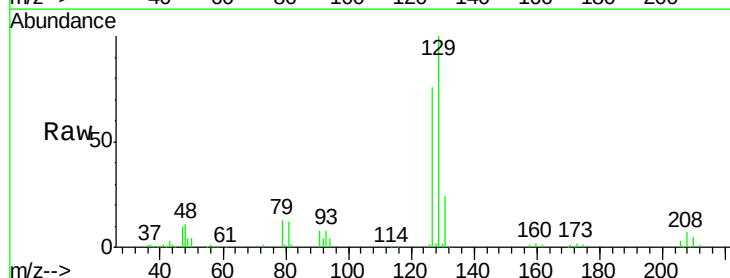
Manual Integrations
APPROVED

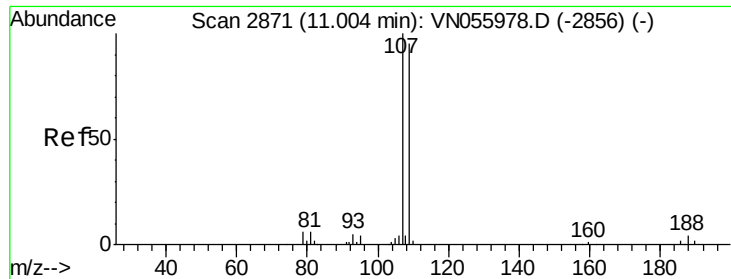
MMDadoda
6/7/2019 9:37:00 AM



#60
Dibromochloromethane
Concen: 46.675 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 129 Resp: 146173
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.3





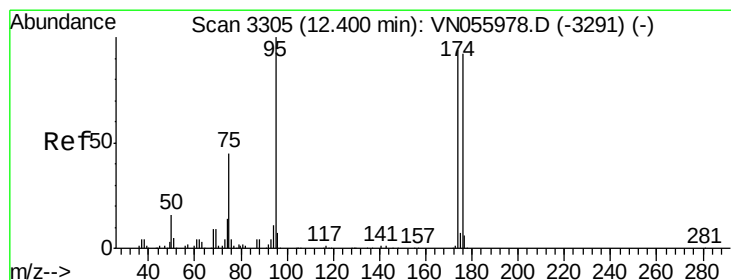
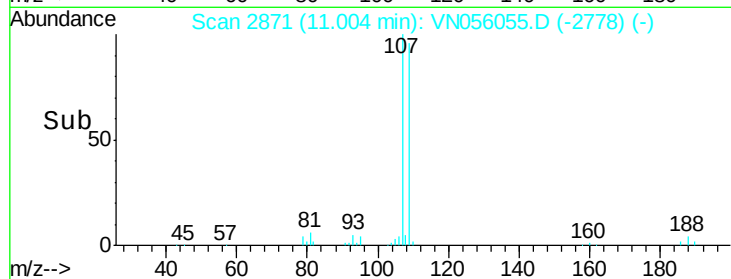
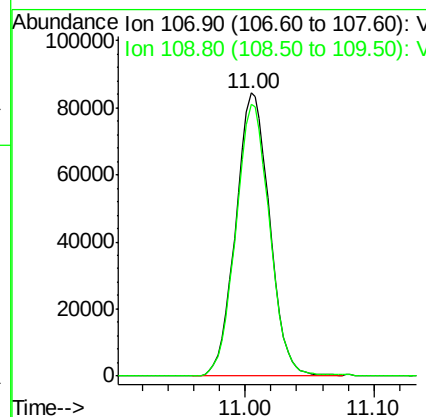
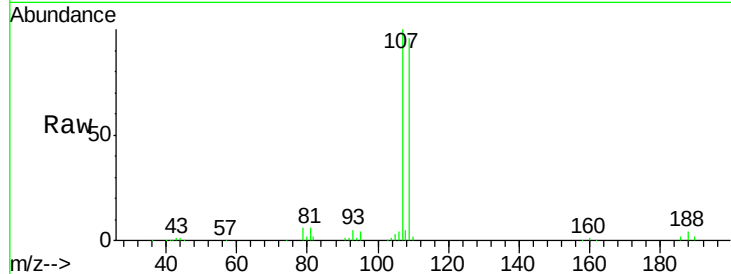
#61
 1,2-Dibromoethane
 Concen: 52.738 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.8	112.2

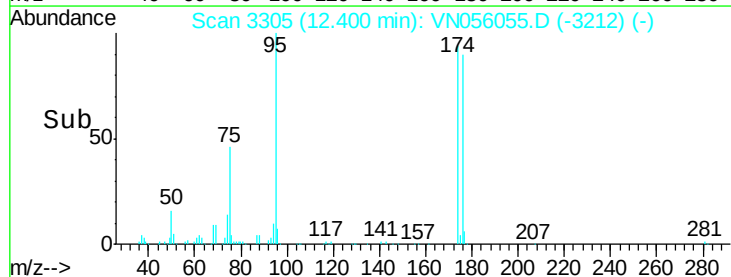
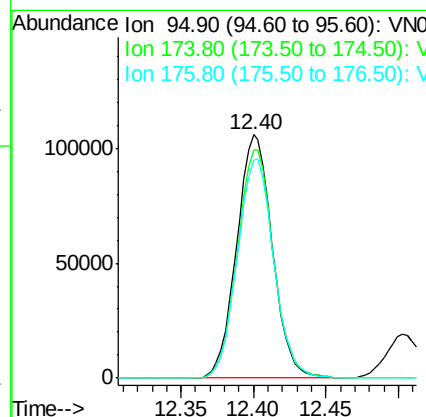
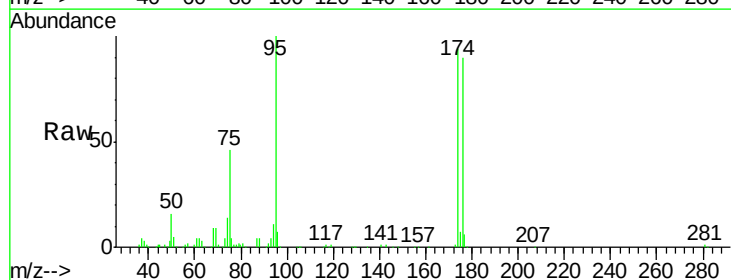
Manual Integrations
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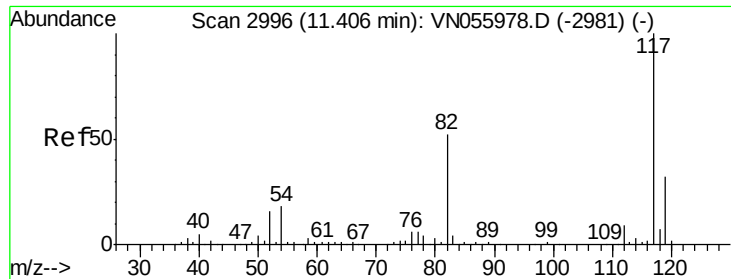
MMDadoda
 6/7/2019 9:37:00 AM



#62
 4-Bromofluorobenzene
 Concen: 50.887 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	191.0
176	91.8	0.0	185.2





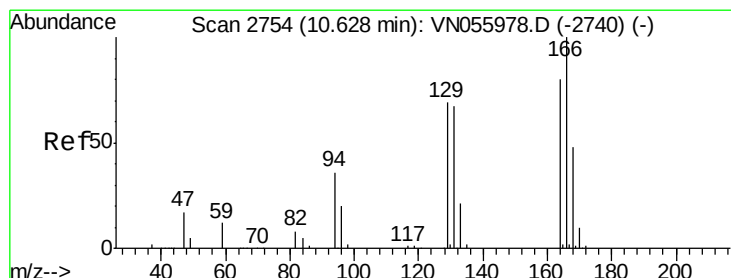
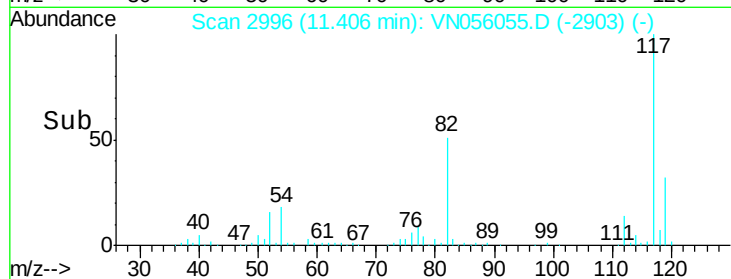
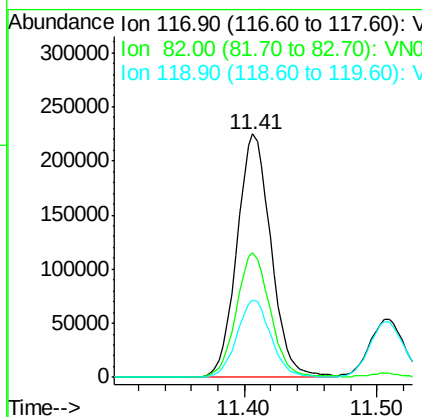
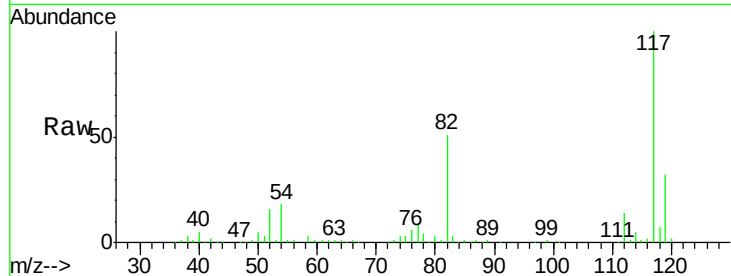
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.8	62.8
119	31.7	25.4	38.0

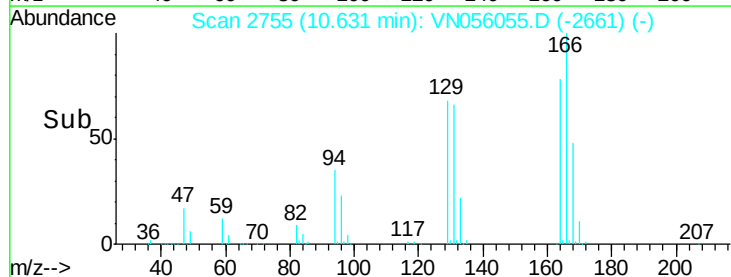
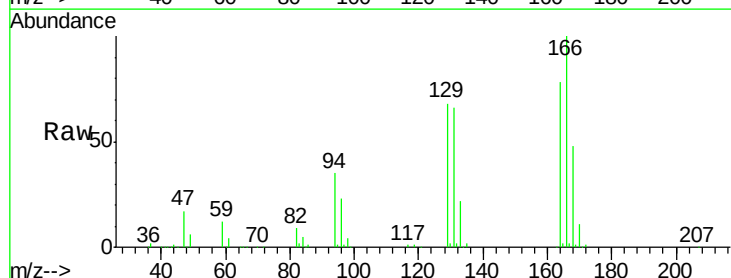
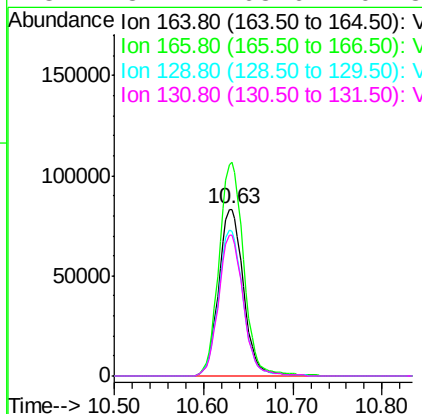
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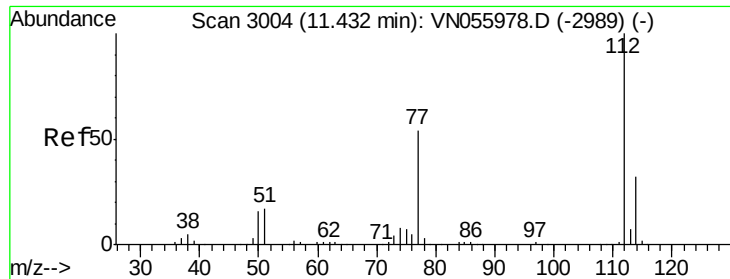
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6/7/2019 9:37:00 AM



#64
Tetrachloroethene
Concen: 46.114 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.0	154.6
129	86.9	70.6	105.8
131	84.1	68.6	102.8





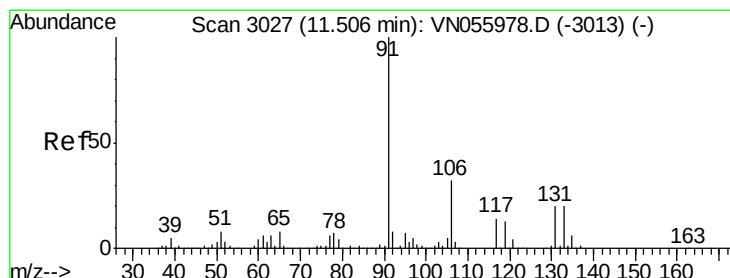
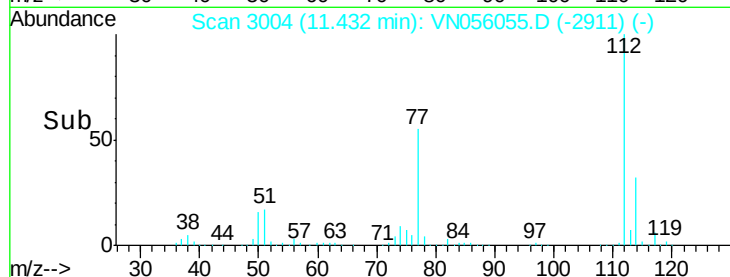
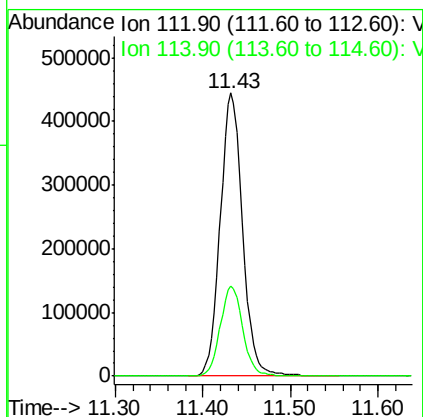
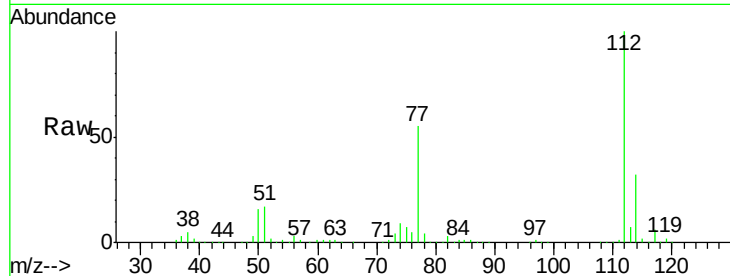
#65
Chlorobenzene
Concen: 98.630 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion:112 Resp: 787186
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4

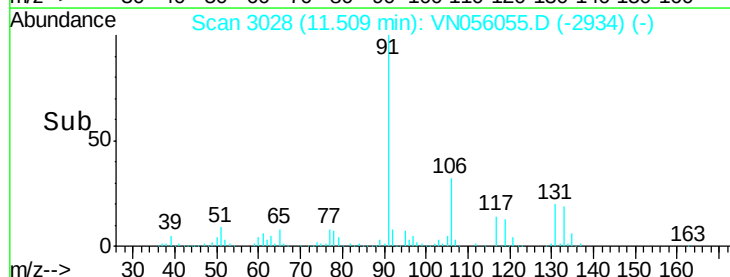
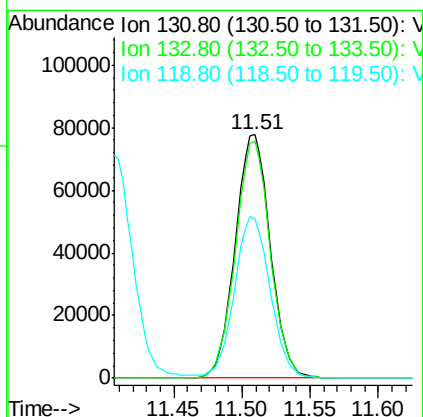
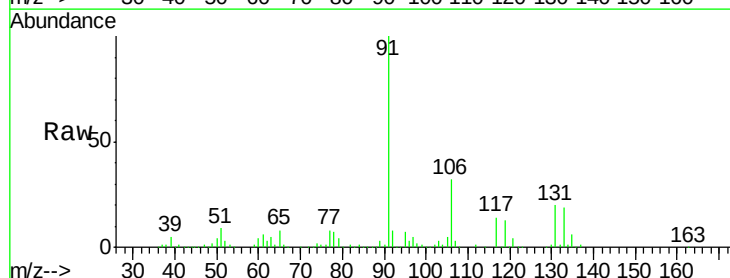
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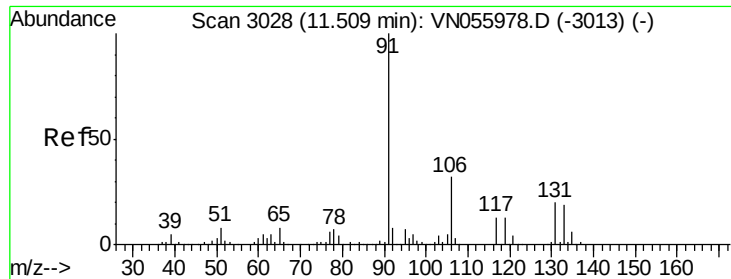
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6/7/2019 9:37:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.488 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion:131 Resp: 139136
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 67.4 33.1 99.5





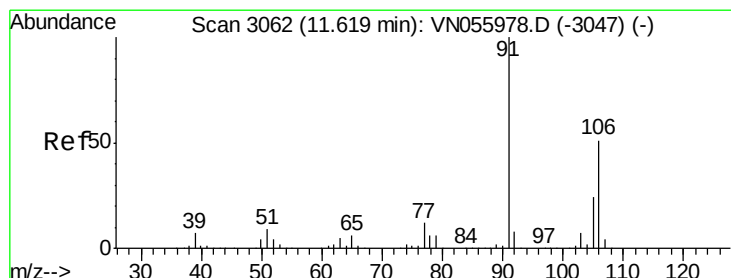
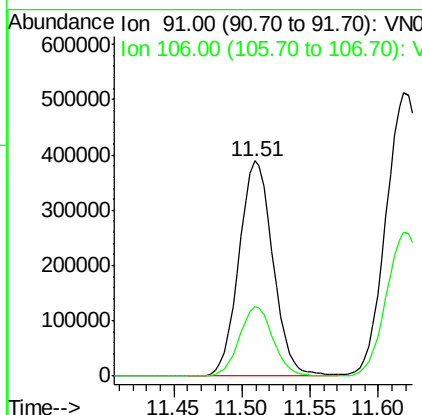
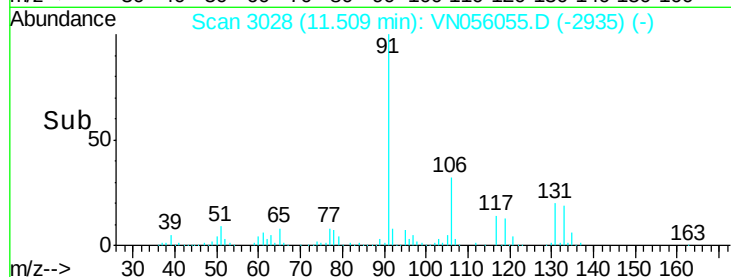
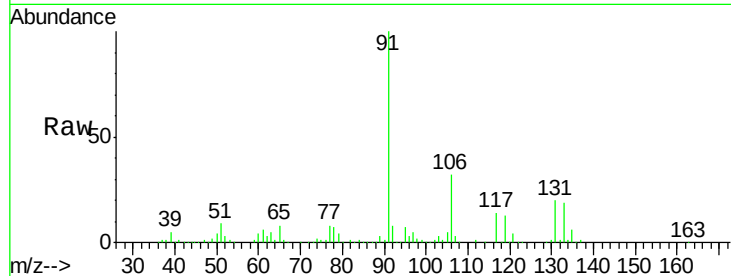
#67
Ethyl Benzene
Concen: 48.784 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion: 91 Resp: 677023
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7

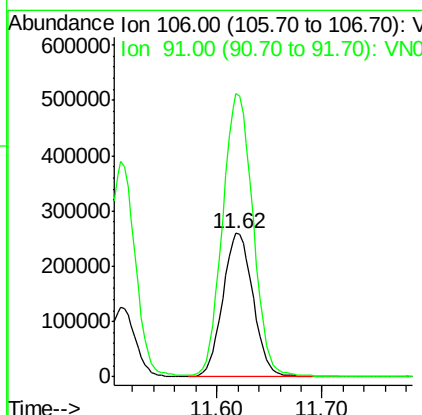
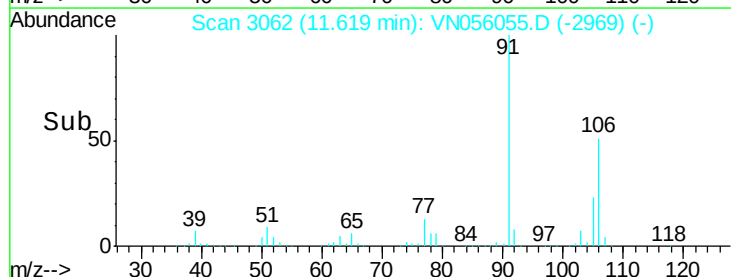
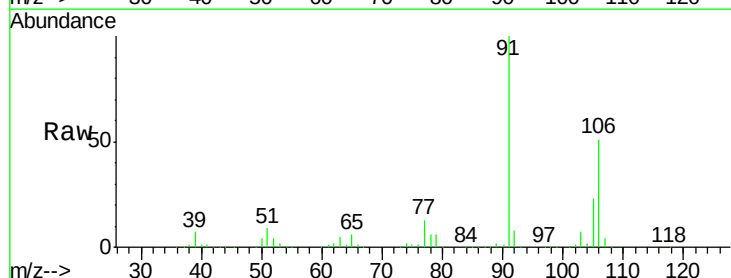
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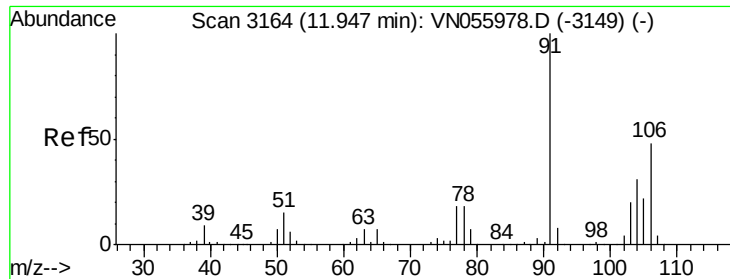
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#68
m/p-Xylenes
Concen: 97.403 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion: 106 Resp: 516386
Ion Ratio Lower Upper
106 100
91 198.3 159.3 238.9





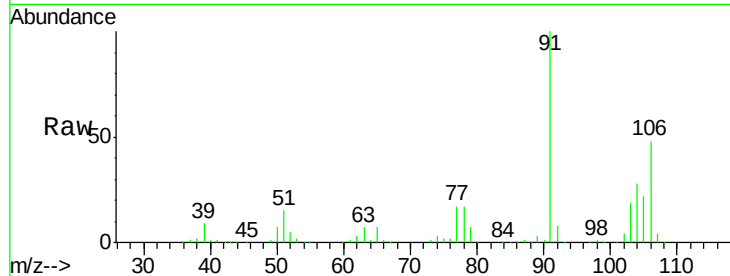
#69
o-Xylene
Concen: 48.730 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

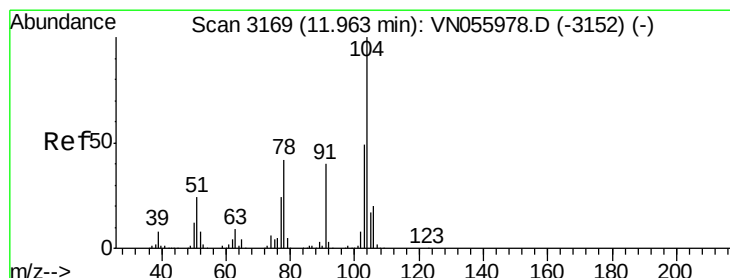
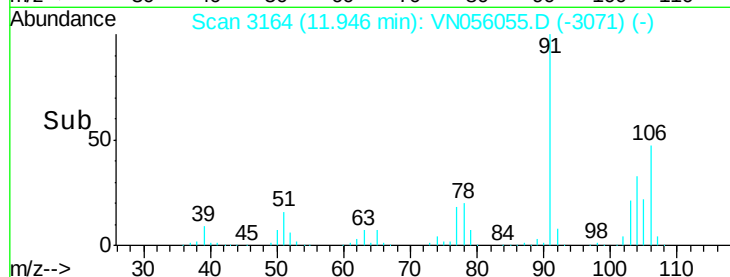
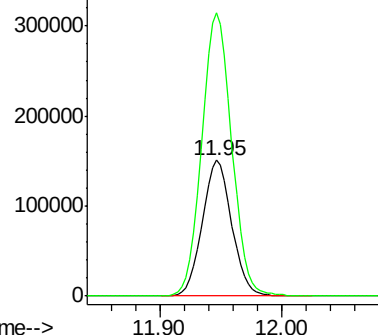
Tot Ion:106 Resp: 254124
Ion Ratio Lower Upper
106 100
91 211.4 104.7 314.1

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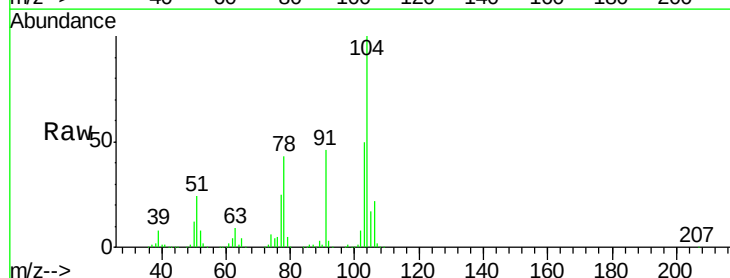


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

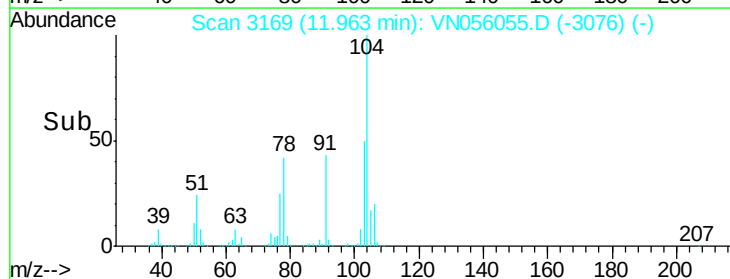
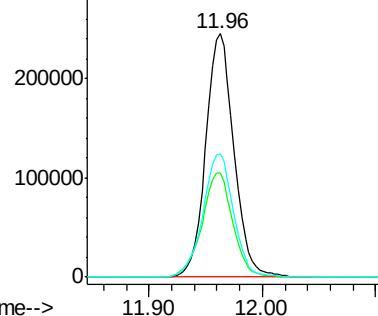


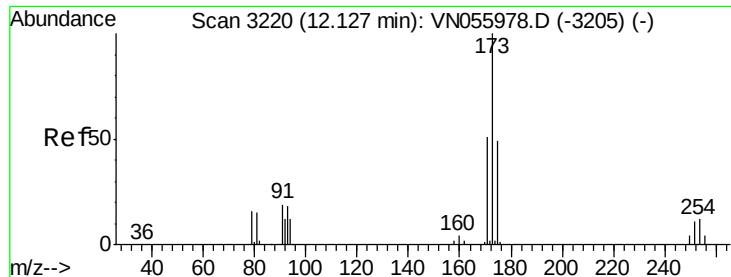
#70
Styrene
Concen: 51.335 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion:104 Resp: 425351
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 54.9 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





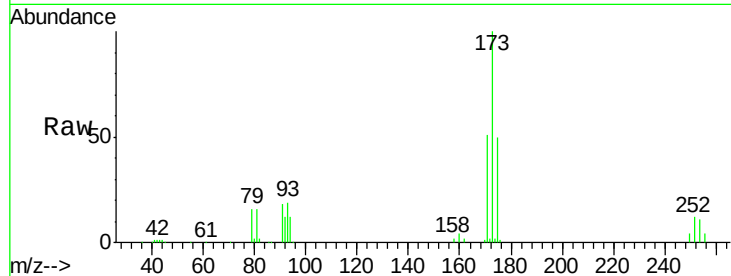
#71
Bromoform
Concen: 44.800 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

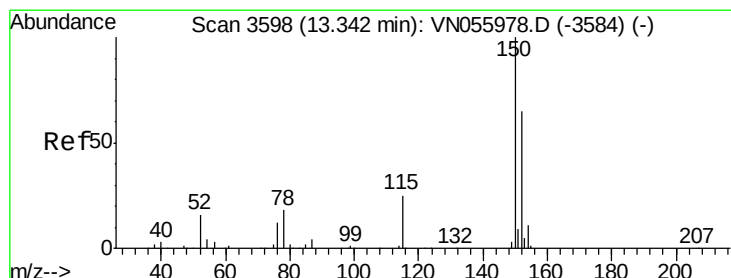
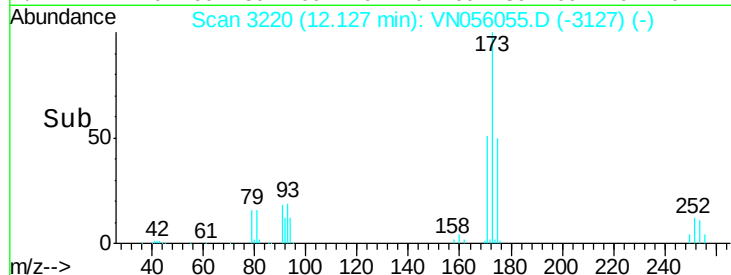
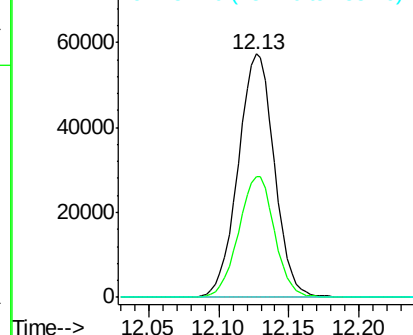
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.0	0.0	0.0

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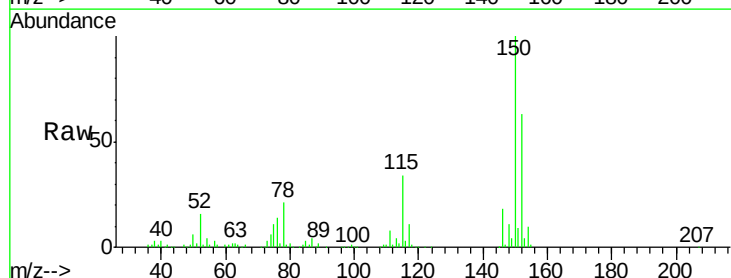


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

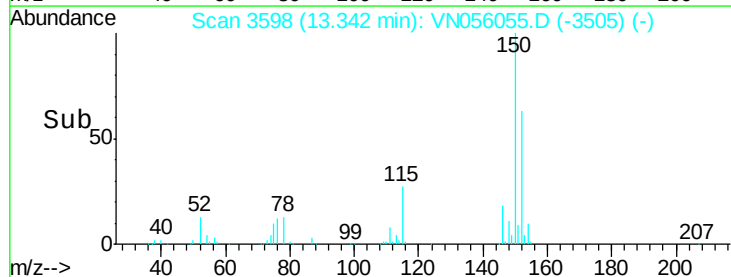
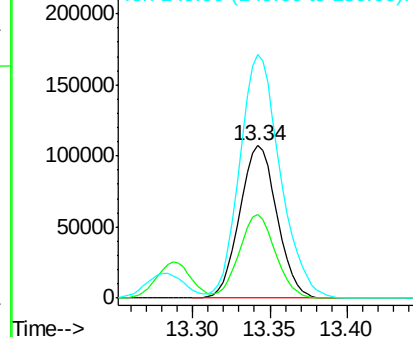


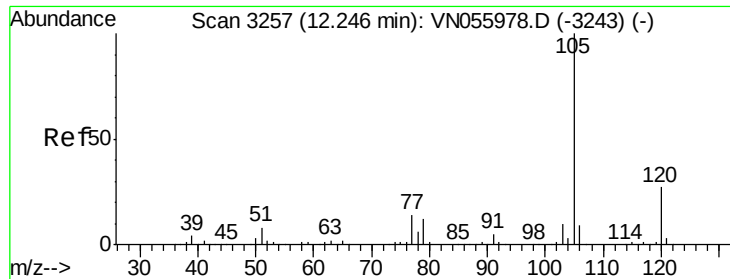
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	27.0	81.0
150	173.9	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: 52.133 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion:105 Resp: 664548

Ion Ratio Lower Upper

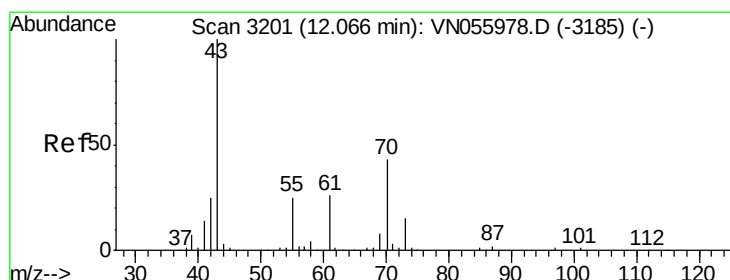
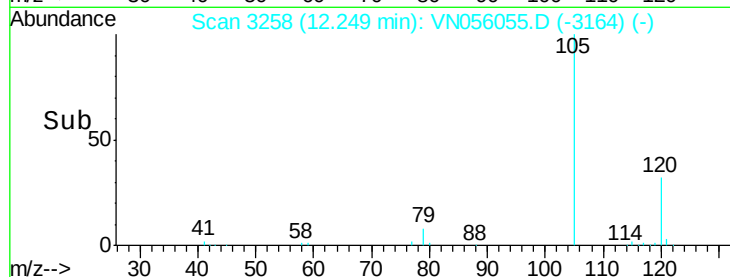
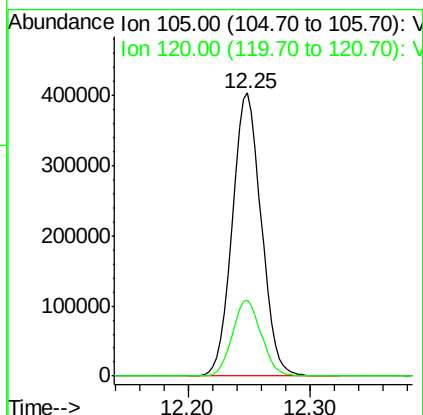
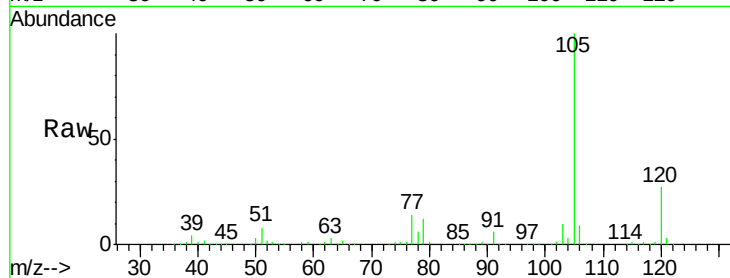
105 100

120 27.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 50.690 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Tgt Ion: 43 Resp: 242120

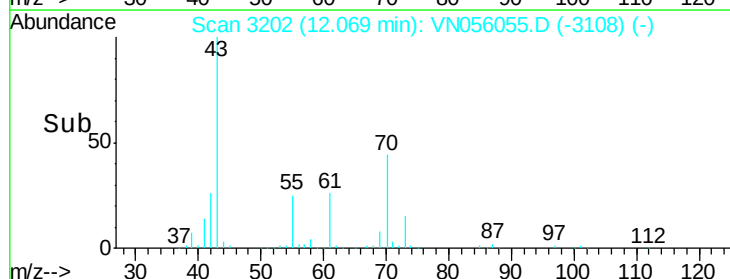
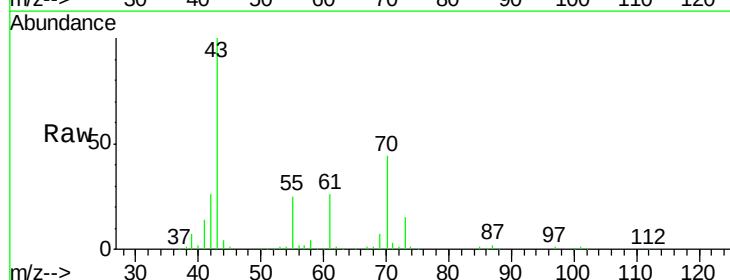
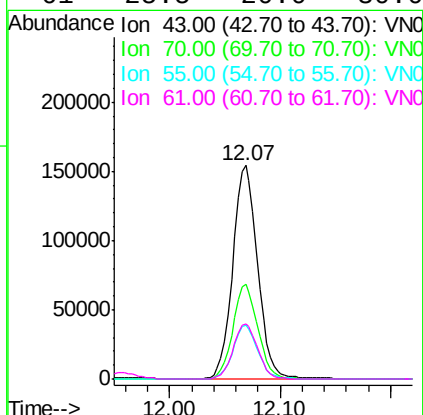
Ion Ratio Lower Upper

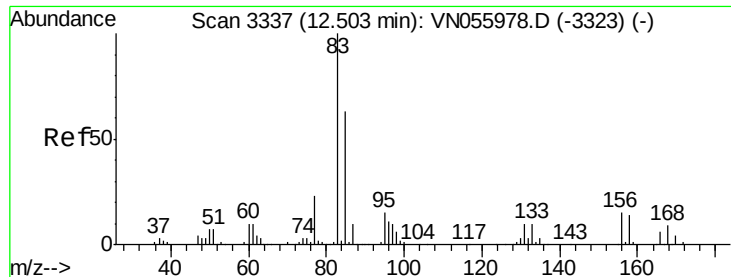
43 100

70 44.1 34.0 51.0

55 25.2 18.6 28.0

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.055 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

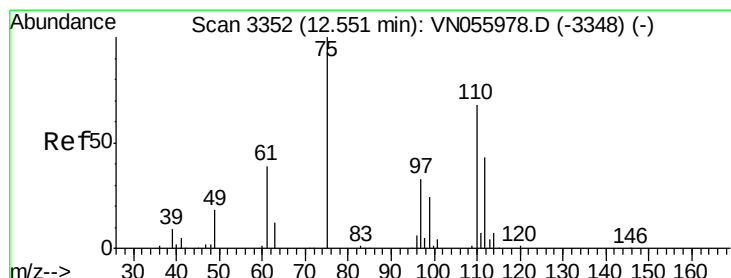
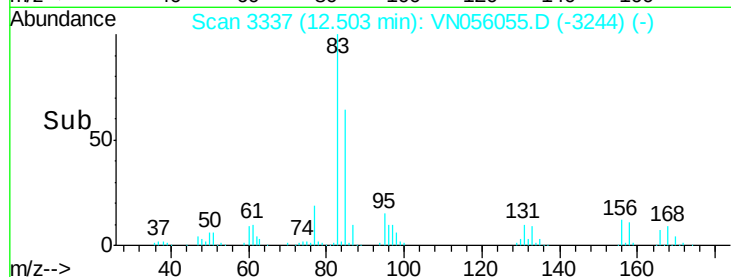
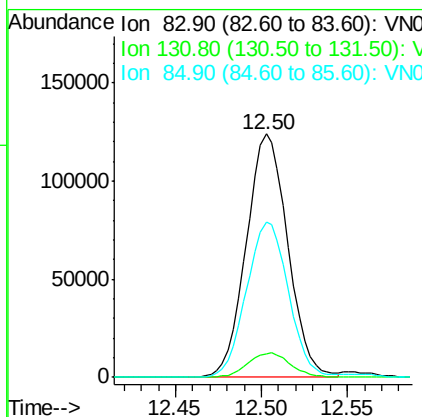
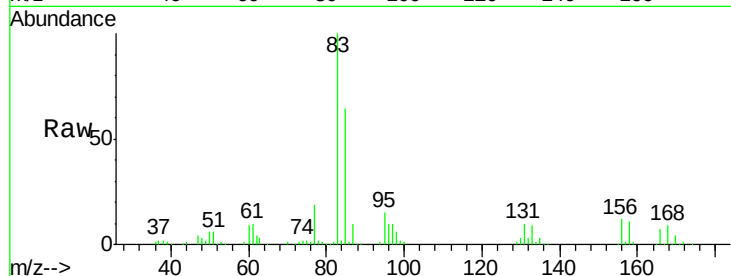
ClientSampleId :

LF015RW050-190604MS

Tot Ion:	83	Resp:	208216
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.4	16.2
85	64.4	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.516 ug/l m

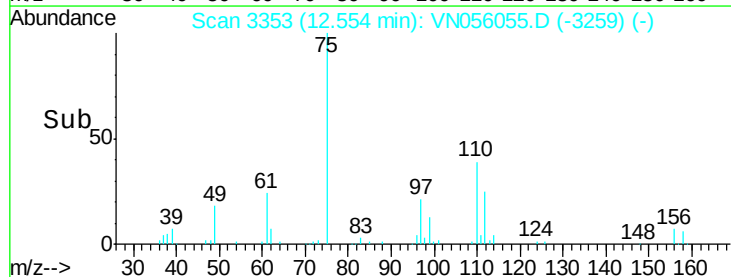
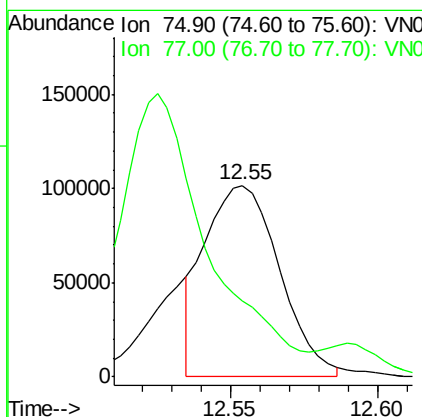
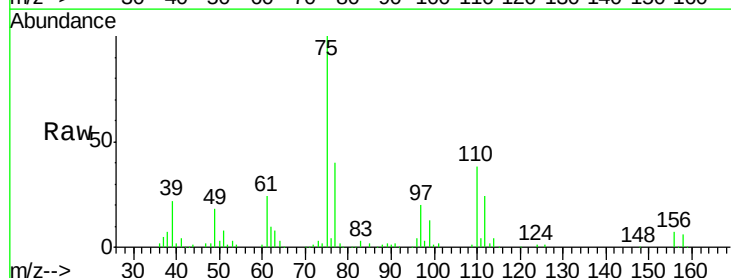
RT: 12.55 min Scan# 3353

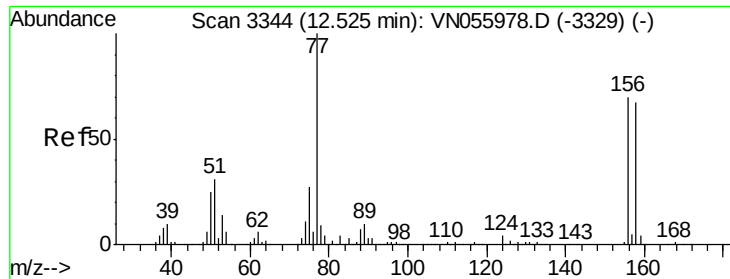
Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Tgt Ion:	75	Resp:	179746
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.554 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

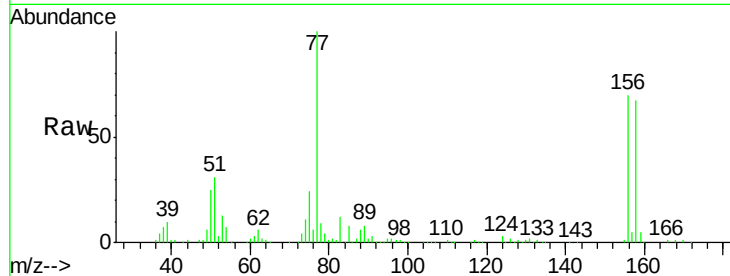
ClientSampleId :

LF015RW050-190604MS

Tot Ion:	156	Resp:	182435
Ion Ratio	Lower	Upper	
156	100		
77	173.9	90.8	272.5
158	95.4	49.3	147.8

Manual Integrations
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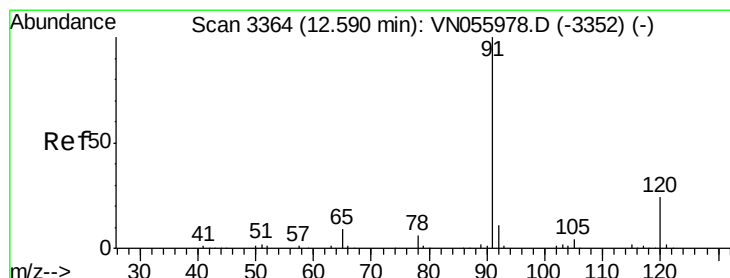
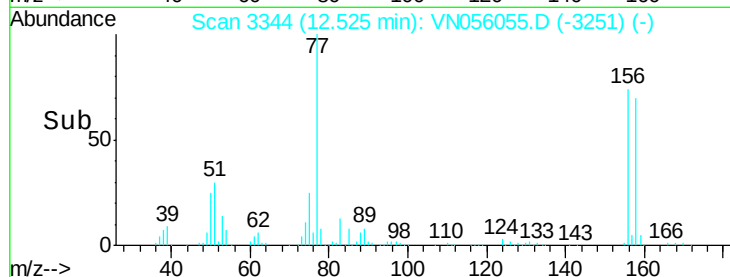
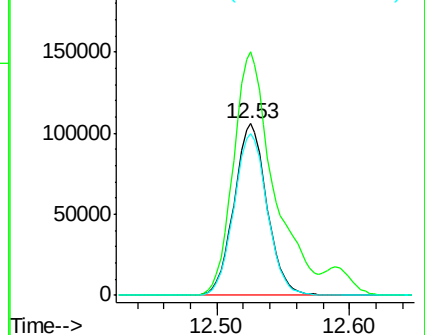
MMDadoda
6/7/2019 9:37:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.680 ug/l

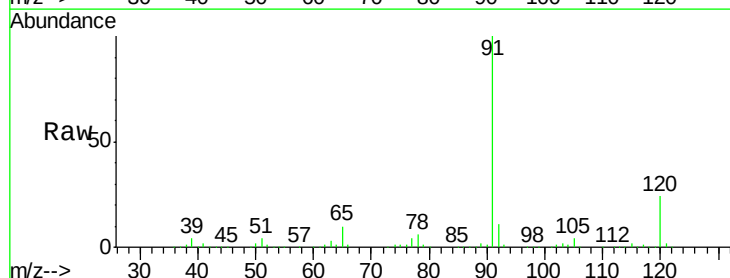
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056055.D

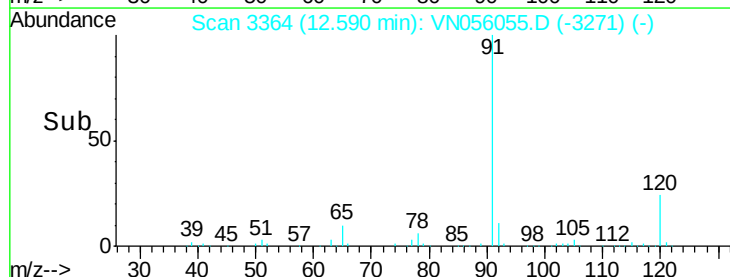
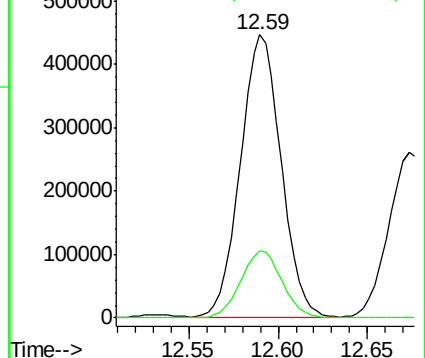
Acq: 6 Jun 2019 19:07

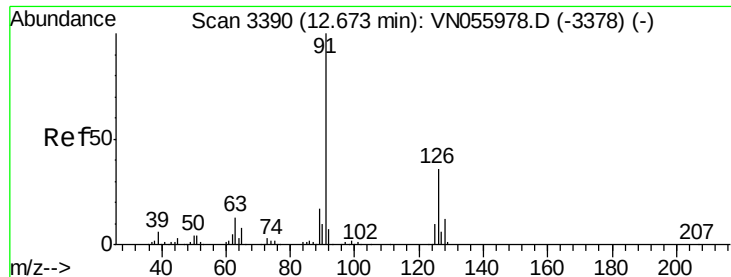
Tgt Ion:	91	Resp:	707626
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.008 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion: 91 Resp: 436515

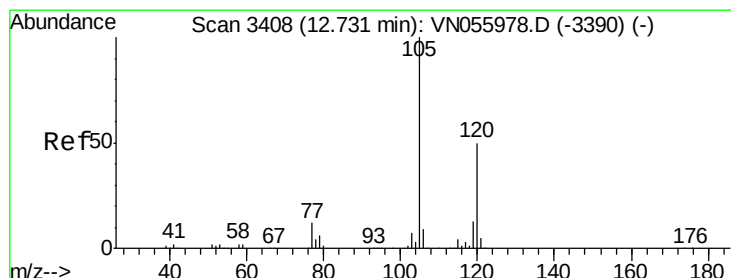
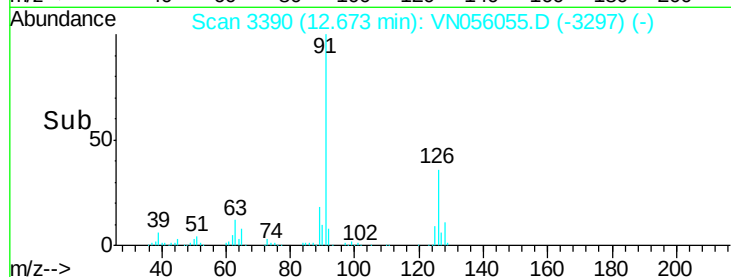
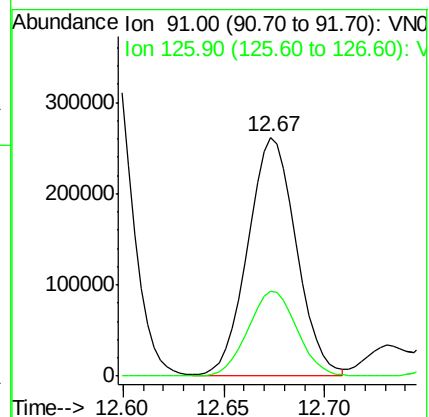
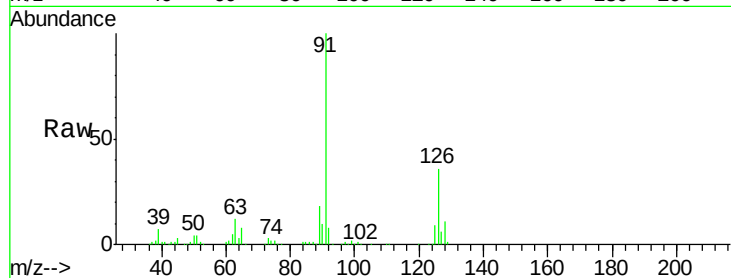
Ion Ratio Lower Upper

91 100

126 36.4 18.1 54.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 45.523 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056055.D

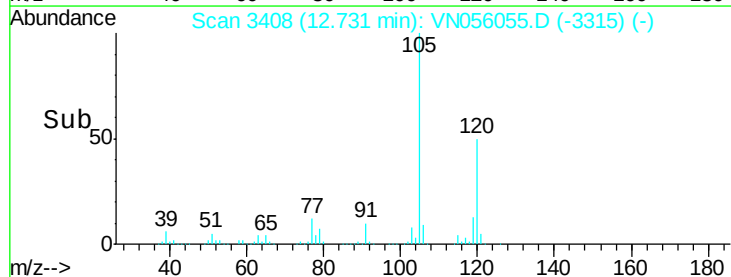
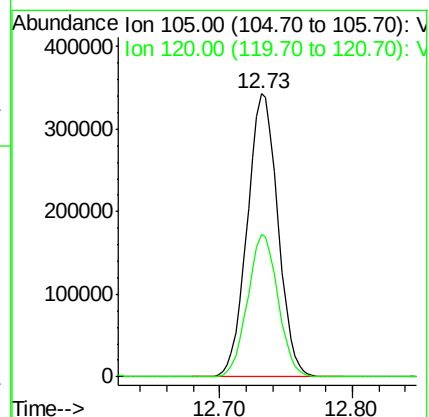
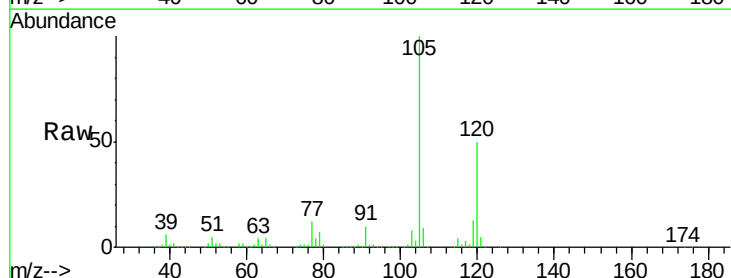
Acq: 6 Jun 2019 19:07

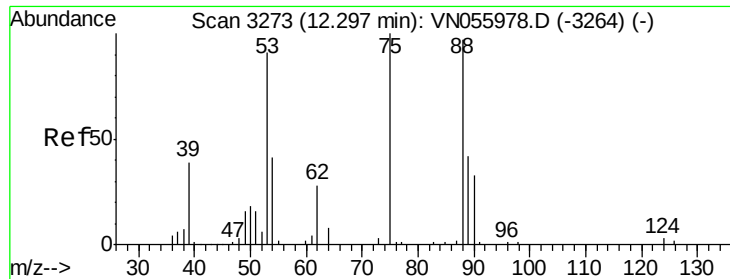
Tgt Ion: 105 Resp: 548456

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





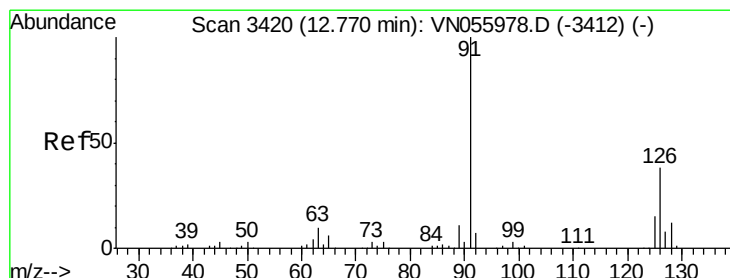
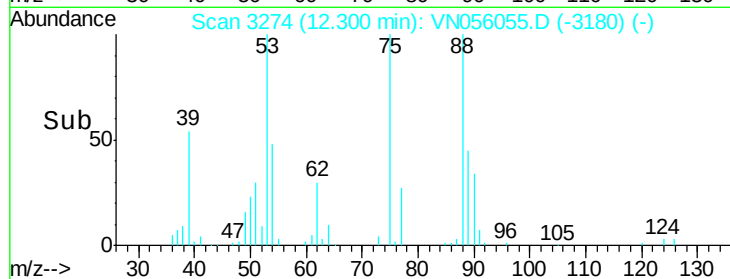
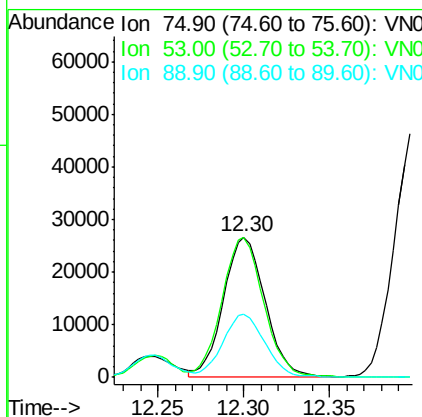
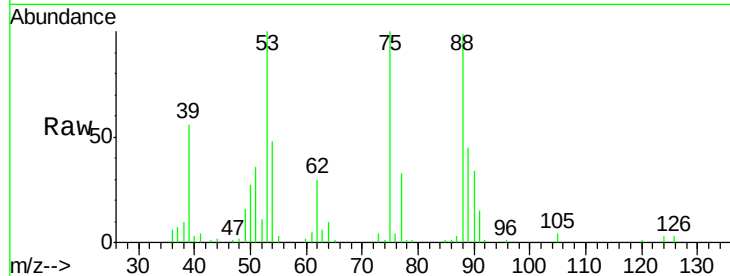
#81
trans-1,4-Dichloro-2-butene
Concen: 45.477 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	68.1	102.1
89	45.7	36.9	55.3

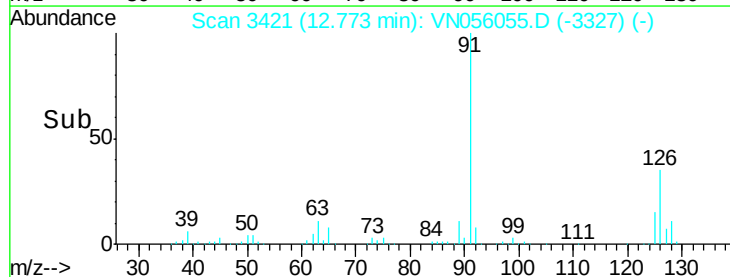
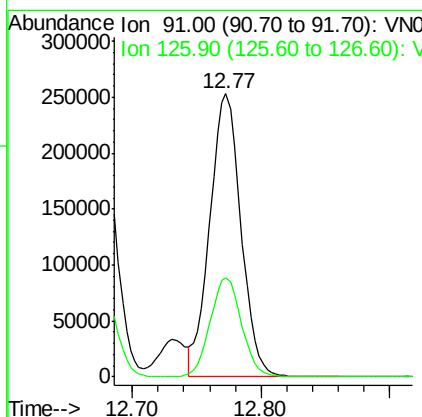
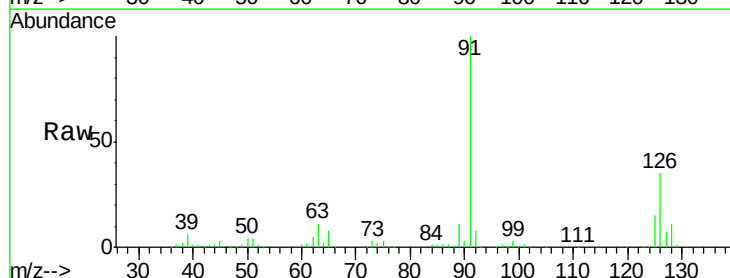
Manual Integrations
APPROVED

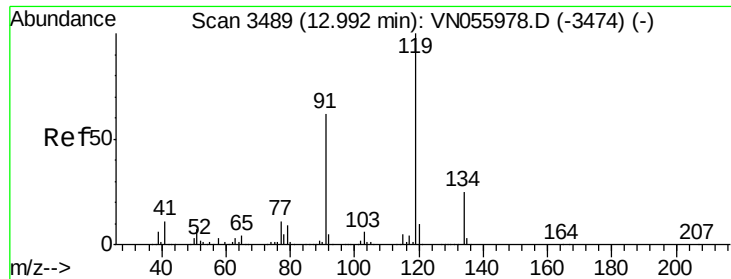
MMDadoda
6/7/2019 9:37:00 AM



#82
4-Chlorotoluene
Concen: 47.779 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





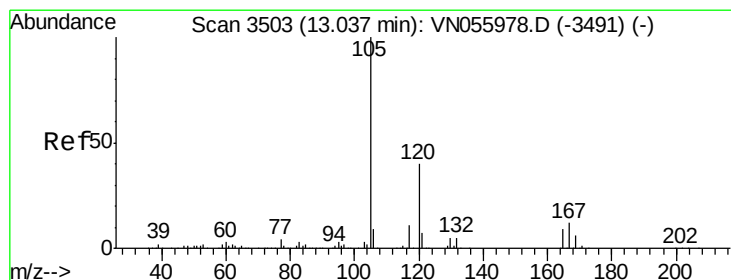
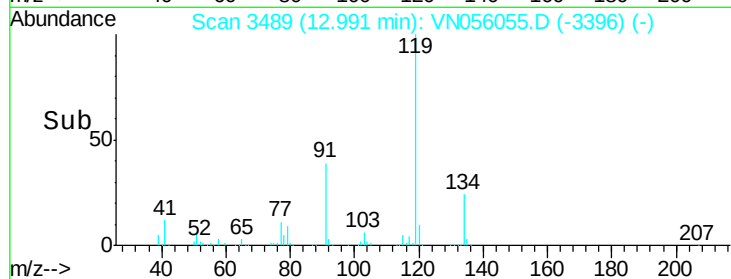
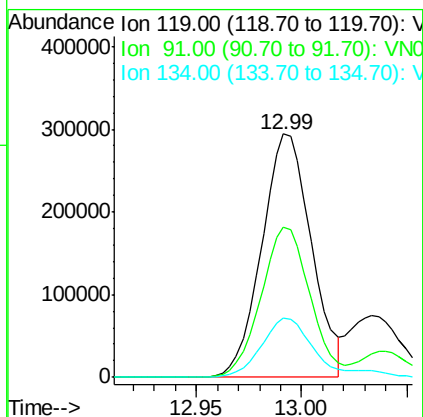
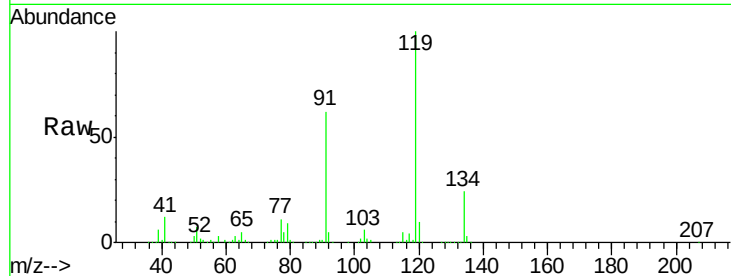
#83
 tert-Butylbenzene
 Concen: 51.587 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion:	119	Resp:	481415
Ion Ratio	Lower	Upper	
119	100		
91	60.9	30.9	92.8
134	26.7	13.3	39.8

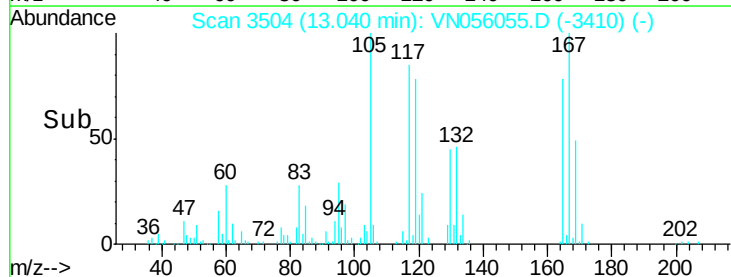
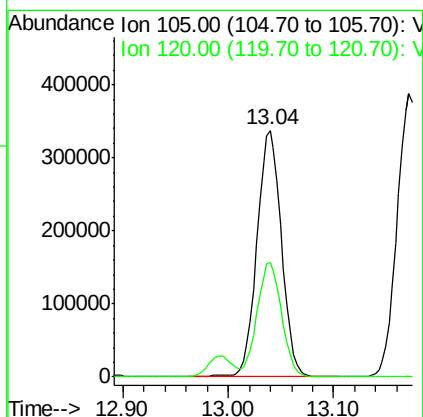
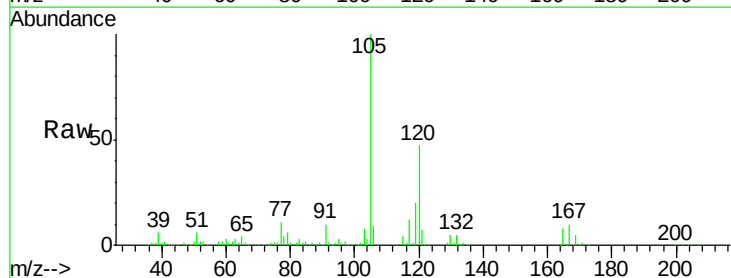
Manual Integrations
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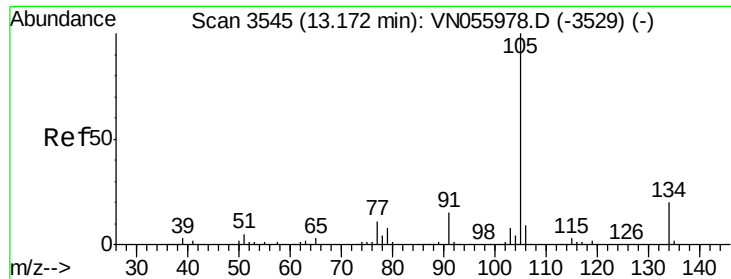
MMDadoda
 6/7/2019 9:37:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.856 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion:	105	Resp:	546747
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 46.405 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

Instrument :

MSVOA_N

ClientSampleId :

LF015RW050-190604MS

Tot Ion:105 Resp: 622983

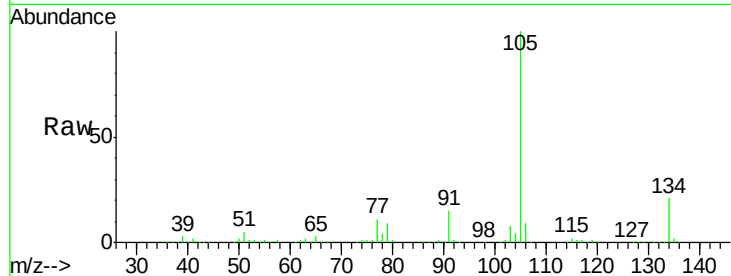
Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2

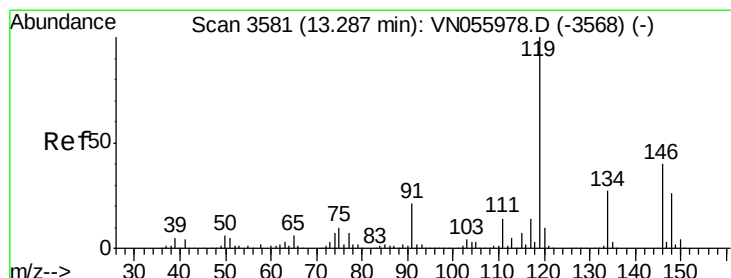
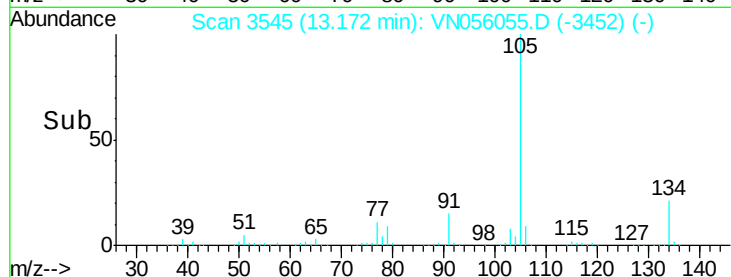
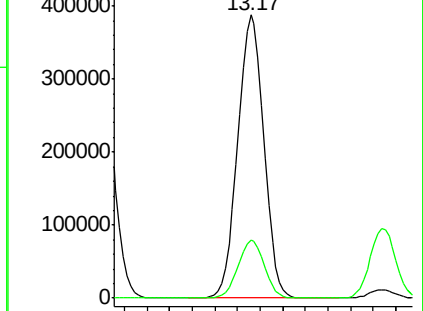
Manual Integrations
APPROVED

MMDadoda
6/7/2019 9:37:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.456 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056055.D

Acq: 6 Jun 2019 19:07

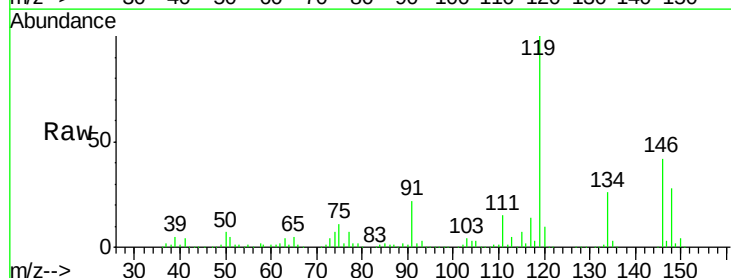
Tgt Ion:119 Resp: 558151

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

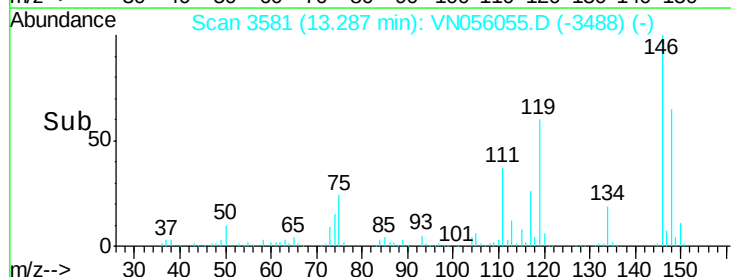
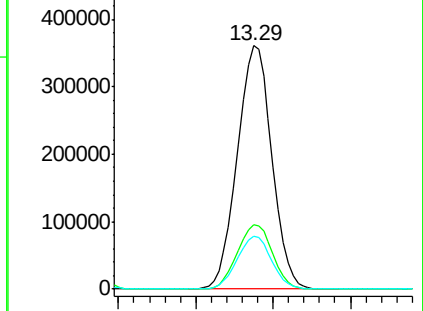
91 21.8 10.9 32.9

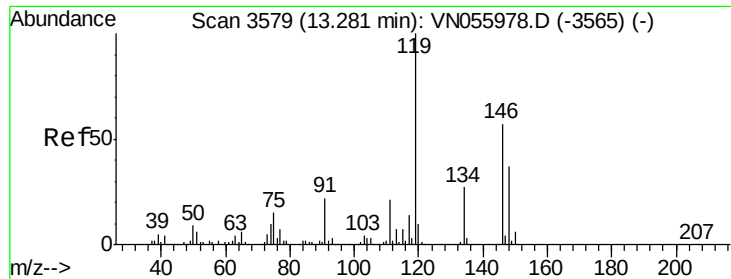


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





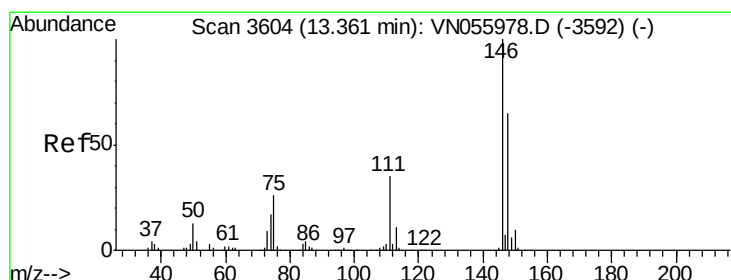
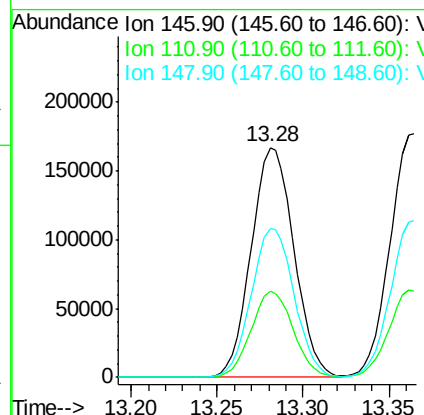
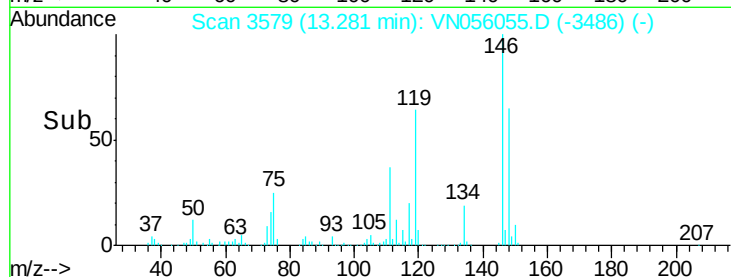
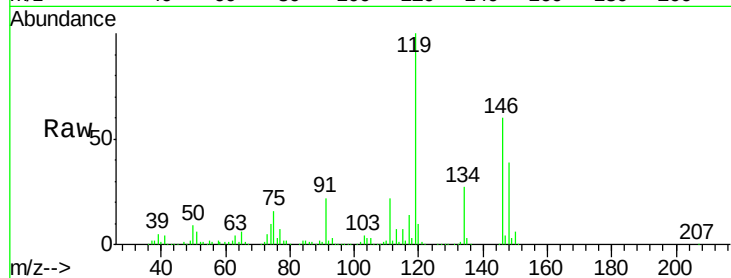
#87
 1,3-Dichlorobenzene
 Concen: 48.548 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288254		
111	36.9	18.5	55.5	
148	64.7	32.0	96.2	

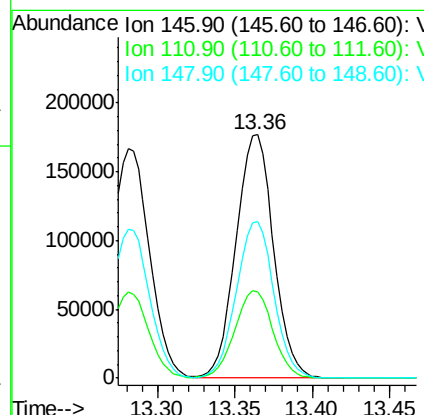
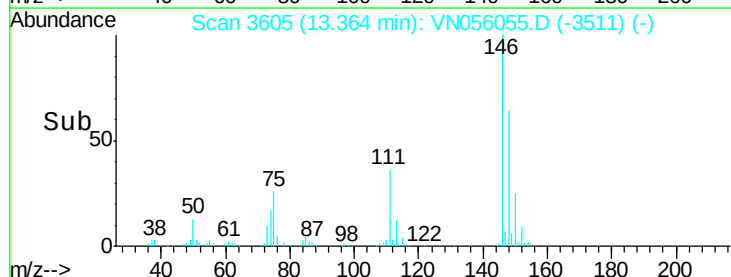
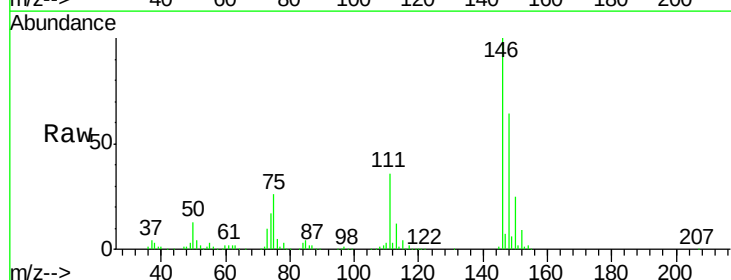
Manual Integrations
 APPROVED

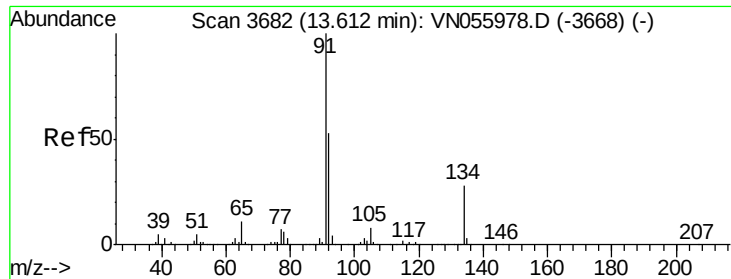
MMDadoda
 6/7/2019 9:37:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.229 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298318		
111	36.4	18.1	54.4	
148	64.3	32.1	96.5	





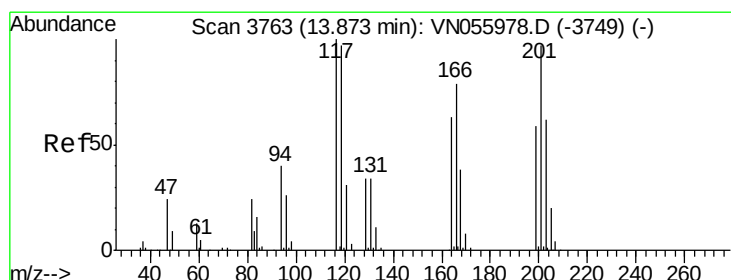
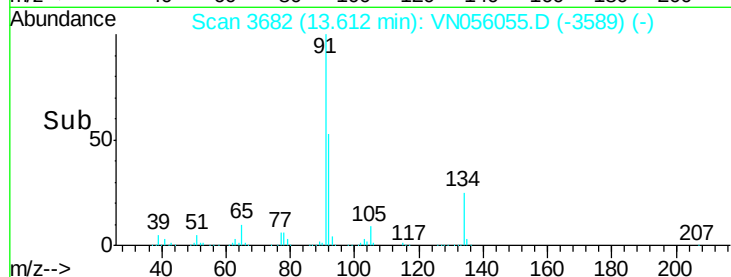
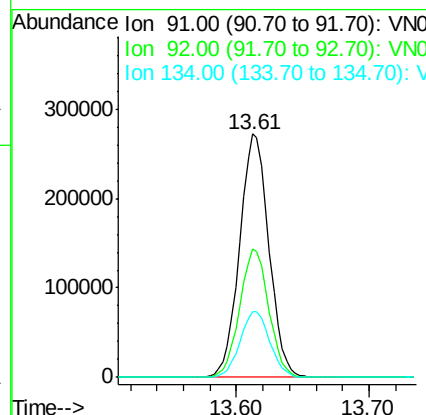
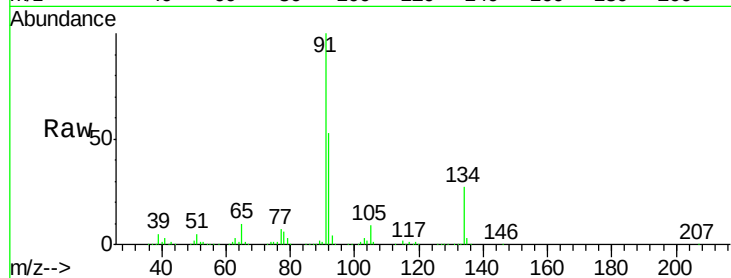
#89
n-Butylbenzene
Concen: 46.830 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	27.4	13.9	41.7

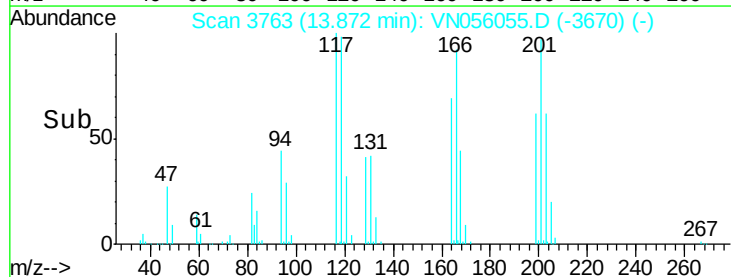
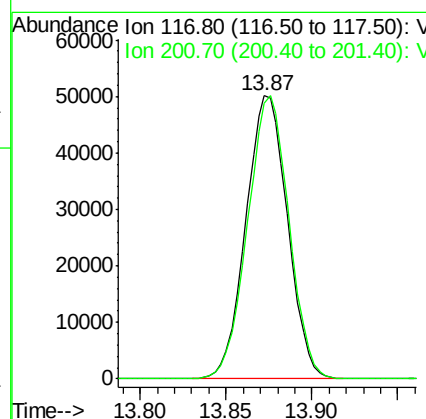
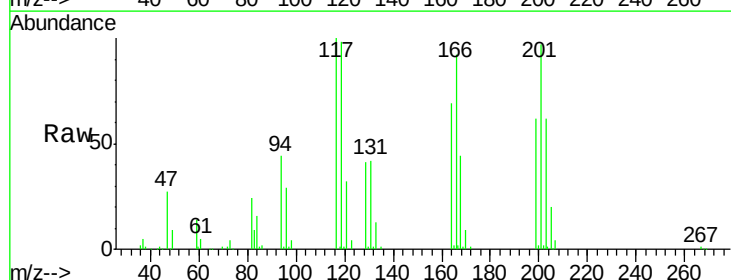
Manual Integrations
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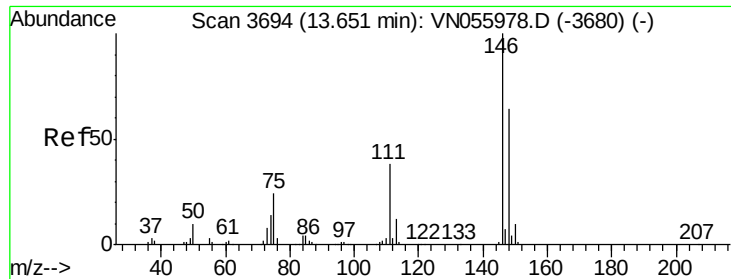
MMDadoda
6/7/2019 9:37:00 AM



#90
Hexachloroethane
Concen: 46.564 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.1	50.0	150.0





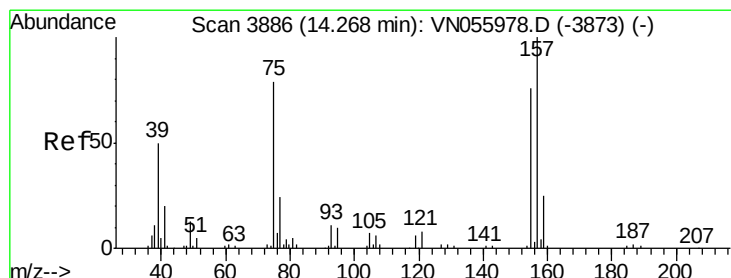
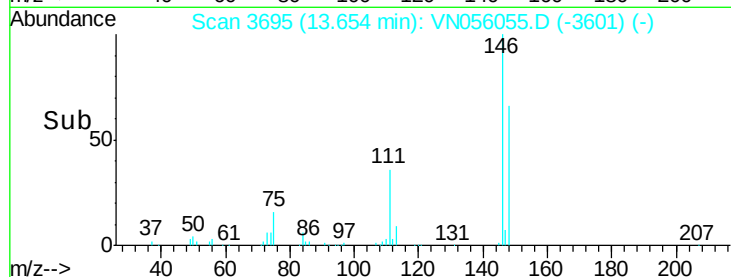
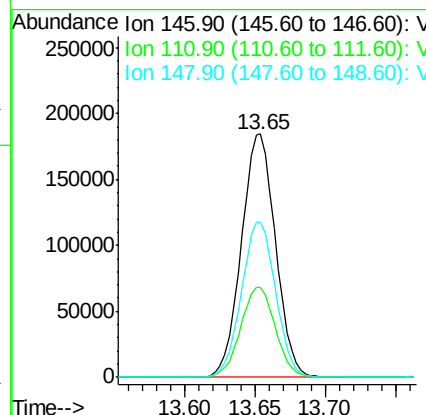
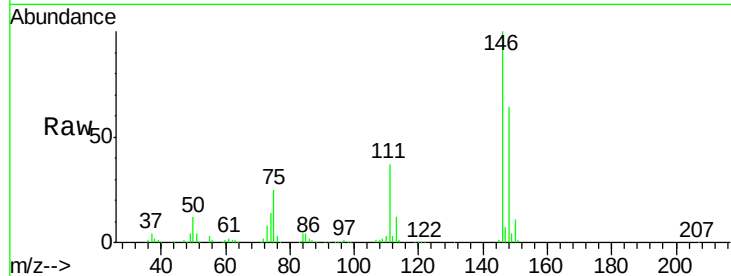
#91
 1,2-Dichlorobenzene
 Concen: 52.163 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.5
148	64.0	31.9	95.9

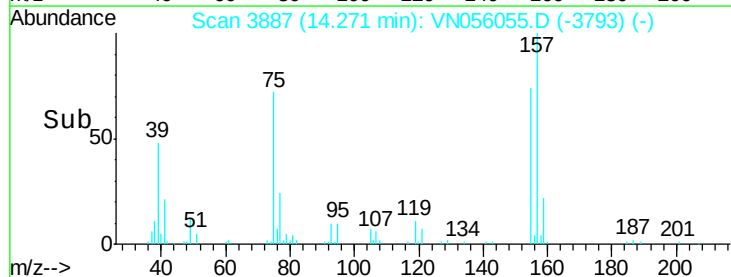
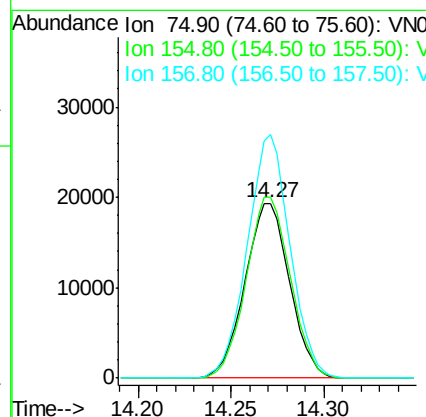
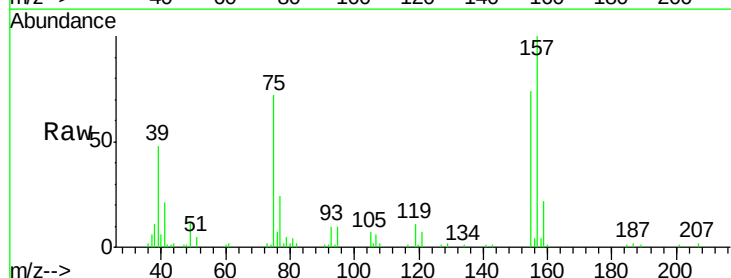
Manual Integrations
 APPROVED

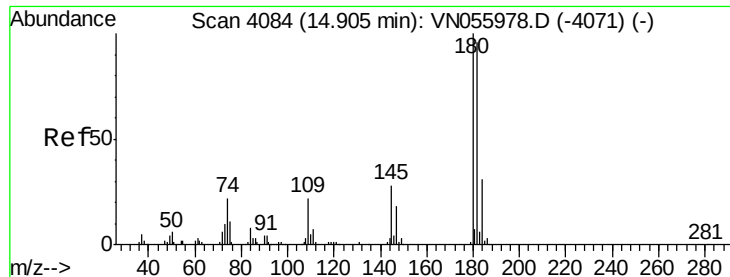
MMDadoda
 6/7/2019 9:37:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.405 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN056055.D
 Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	50.0	150.1
157	133.3	64.8	194.3





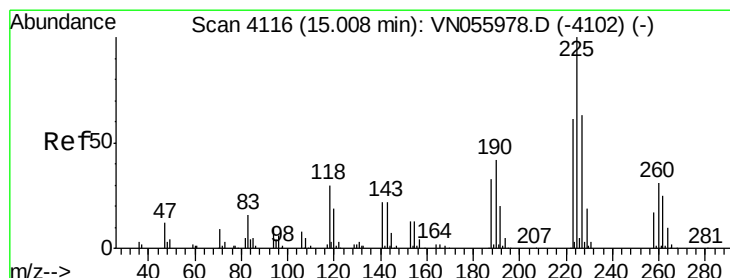
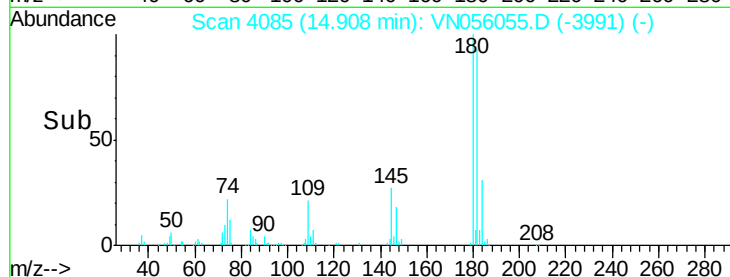
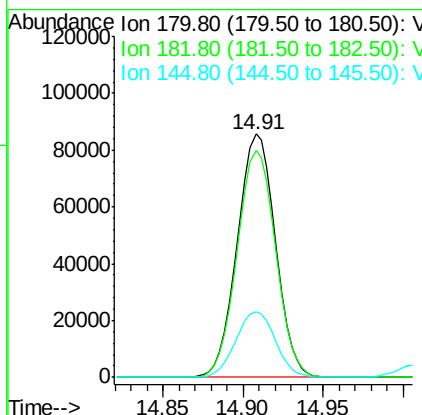
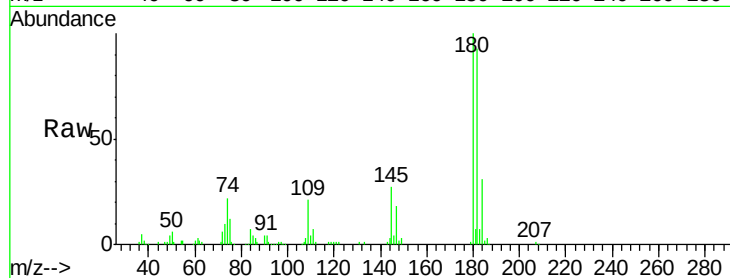
#93
1,2,4-Trichlorobenzene
Concen: 42.788 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion:	180	Resp:	139123
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.3	144.9
145	27.9	14.0	41.9

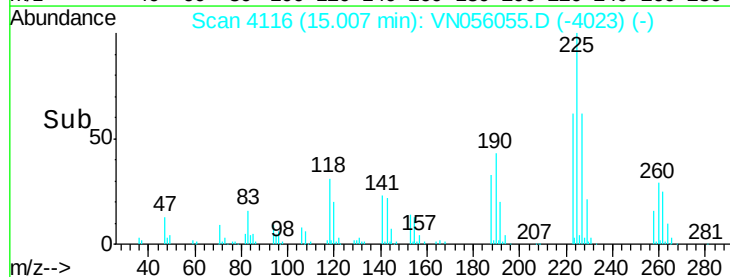
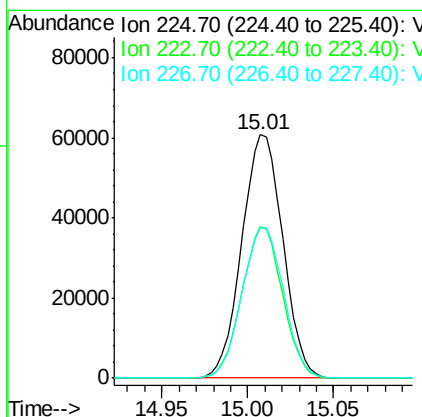
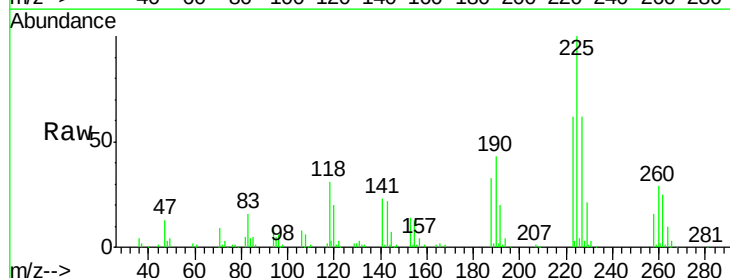
Manual Integrations
APPROVED

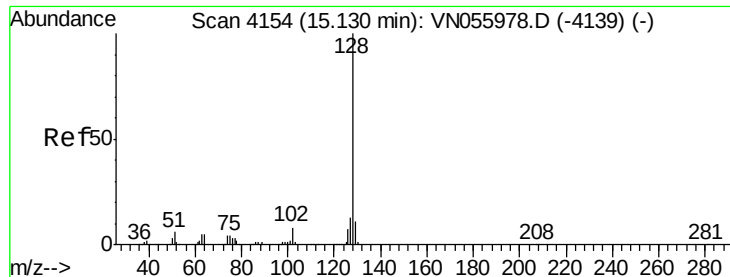
MMDadoda
6/7/2019 9:37:00 AM



#94
Hexachlorobutadiene
Concen: 49.013 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion:	225	Resp:	100856
Ion Ratio	Lower	Upper	
225	100		
223	61.4	30.9	92.7
227	62.7	31.6	94.7





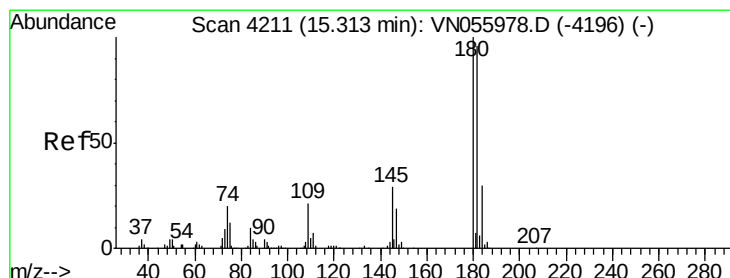
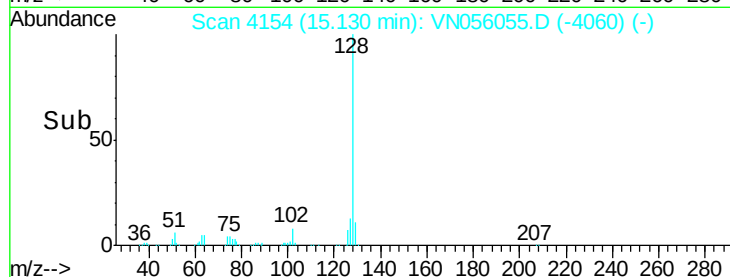
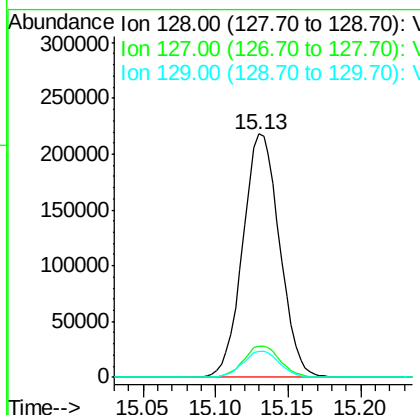
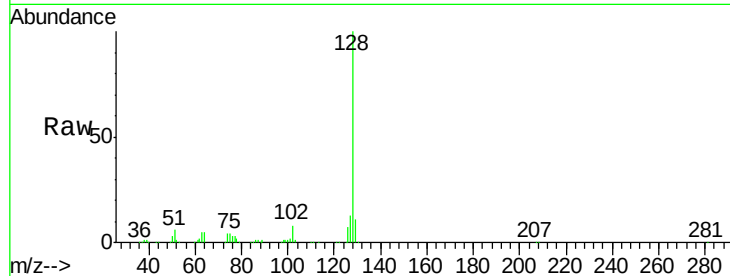
#95
Naphthalene
Concen: 45.293 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Instrument :
MSVOA_N
ClientSampleId :
LF015RW050-190604MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/7/2019 9:37:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.357 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056055.D
Acq: 6 Jun 2019 19:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.7
145	29.2	14.9	44.7

