

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057216.D
 Acq On : 12 Aug 2019 15:37
 Operator : JC/SP
 Sample : VN0812WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:53 AM

Quant Time: Aug 13 02:24:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1038071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1519001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1328789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	483921	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	522298	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
35) Dibromofluoromethane	6.99	113	467715	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
50) Toluene-d8	9.56	98	1734275	47.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.92	95	544993	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.82	85	145202	17.403	ug/l	99
3) Chloromethane	2.00	50	173754	15.674	ug/l	100
4) Vinyl Chloride	2.11	62	173743	16.861	ug/l	100
5) Bromomethane	2.43	94	131077	18.722	ug/l	97
6) Chloroethane	2.55	64	120262	18.196	ug/l	99
7) Trichlorofluoromethane	2.83	101	282773	19.092	ug/l	98
8) Diethyl Ether	3.14	74	109146	19.074	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	172861	19.252	ug/l	99
10) Methyl Iodide	3.63	142	257554	18.982	ug/l	99
11) Tert butyl alcohol	4.23	59	139817	92.032	ug/l	98
12) 1,1-Dichloroethene	3.43	96	164676	18.643	ug/l	96
13) Acrolein	3.31	56	56297	58.577	ug/l	99
14) Allyl chloride	3.91	41	236660	18.436	ug/l	98
15) Acrylonitrile	4.45	53	407667	99.149	ug/l	99
16) Acetone	3.48	43	329841	102.305	ug/l	99
17) Carbon Disulfide	3.72	76	404782	17.226	ug/l	97
18) Methyl Acetate	3.89	43	201184	20.557	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	527409	19.778	ug/l	98
20) Methylene Chloride	4.10	84	198526	18.658	ug/l	98
21) trans-1,2-Dichloroethene	4.51	96	179272	18.631	ug/l	94
22) Diisopropyl ether	5.32	45	541398	19.336	ug/l	96
23) Vinyl Acetate	5.27	43	2105091	98.181	ug/l	100
24) 1,1-Dichloroethane	5.25	63	325265	18.897	ug/l	98
25) 2-Butanone	6.20	43	503416	102.197	ug/l	98
26) 2,2-Dichloropropane	6.21	77	262361	20.951	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	210698	19.114	ug/l	99
28) Bromochloromethane	6.59	49	158789	20.057	ug/l	99
29) Tetrahydrofuran	6.60	42	331003	99.750	ug/l	98
30) Chloroform	6.76	83	343711	19.294	ug/l	99
31) Cyclohexane	7.07	56	277607	17.927	ug/l	96
32) 1,1,1-Trichloroethane	6.98	97	290611	19.446	ug/l	99
36) 1,1-Dichloropropene	7.20	75	243356	19.458	ug/l	99
37) Ethyl Acetate	6.28	43	211636	20.520	ug/l #	100
38) Carbon Tetrachloride	7.18	117	262884	20.169	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	286250	18.821	ug/l	97
40) Benzene	7.46	78	771997	19.498	ug/l	98
41) Methacrylonitrile	6.55	41	102787	19.627	ug/l	92
42) 1,2-Dichloroethane	7.54	62	249279	19.742	ug/l	100
43) Isopropyl Acetate	7.56	43	365914	20.798	ug/l	97
44) Trichloroethene	8.27	130	215565	19.434	ug/l	96
45) 1,2-Dichloropropane	8.56	63	200302	19.539	ug/l	100
46) Dibromomethane	8.65	93	137039	20.848	ug/l	97
47) Bromodichloromethane	8.85	83	260235	20.461	ug/l	99
48) Methyl methacrylate	8.64	41	155890	18.790	ug/l	96
49) 1,4-Dioxane	8.64	88	67704	400.688	ug/l	98
51) 4-Methyl-2-Pentanone	9.45	43	1030387	100.628	ug/l	99
52) Toluene	9.63	92	480334	19.545	ug/l	98
53) t-1,3-Dichloropropene	9.86	75	272235	20.489	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	306934	20.131	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	189639	19.623	ug/l	97
56) Ethyl methacrylate	9.90	69	268503	19.843	ug/l	98
57) 1,3-Dichloropropane	10.19	76	320624	20.118	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	308672	67.322	ug/l	96
59) 2-Hexanone	10.24	43	713102	102.900	ug/l	99
60) Dibromochloromethane	10.39	129	213737	21.058	ug/l	100
61) 1,2-Dibromoethane	10.50	107	200225	20.077	ug/l	99
64) Tetrachloroethene	10.11	164	231007	20.904	ug/l	97
65) Chlorobenzene	10.93	112	518051	19.376	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	208639	20.873	ug/l	99
67) Ethyl Benzene	11.01	91	886792	19.272	ug/l	98
68) m/p-Xylenes	11.13	106	662506	39.080	ug/l	100
69) o-Xylene	11.46	106	334690	19.837	ug/l	96
70) Styrene	11.48	104	517193	19.626	ug/l	100
71) Bromoform	11.64	173	154585	21.113	ug/l #	98
73) Isopropylbenzene	11.77	105	873475	20.610	ug/l	100
74) N-amyl acetate	11.59	43	243248	19.836	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.03	83	258266	22.121	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	217622m	21.340	ug/l	
77) Bromobenzene	12.05	156	228723	19.664	ug/l	100
78) n-propylbenzene	12.11	91	873084	18.806	ug/l	100
79) 2-Chlorotoluene	12.20	91	554214	20.270	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	728671	19.504	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	70673	21.473	ug/l	100
82) 4-Chlorotoluene	12.30	91	507535	18.881	ug/l	99
83) tert-Butylbenzene	12.52	119	649646	20.840	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	677141	18.752	ug/l	100
85) sec-Butylbenzene	12.70	105	777613	18.444	ug/l	100
86) p-Isopropyltoluene	12.82	119	674641	18.236	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	326325	19.706	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	295978	18.864	ug/l	98
89) n-Butylbenzene	13.15	91	476653	18.649	ug/l	99
90) Hexachloroethane	13.41	117	129054	21.395	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	318715	19.274	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	32132	18.889	ug/l	98

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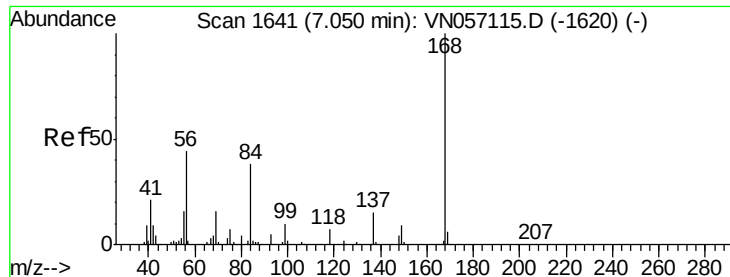
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	81883	16.221	ug/l	99
94) Hexachlorobutadiene	14.55	225	133860	21.011	ug/l	99
95) Naphthalene	14.67	128	160141	15.057	ug/l	99
96) 1,2,3-Trichlorobenzene	14.84	180	84555	16.044	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion:168 Resp: 1038071

Ion Ratio Lower Upper

168 100

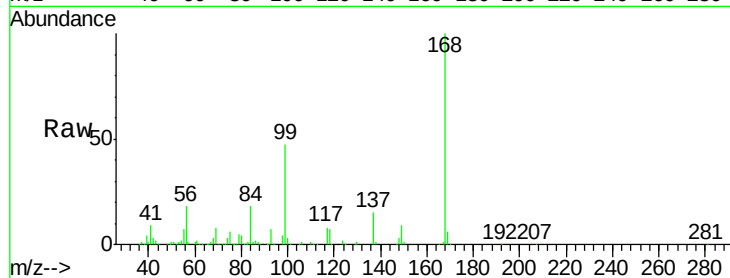
99 46.6 38.6 57.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

400000

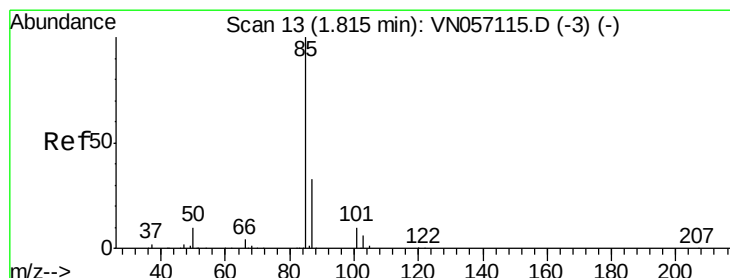
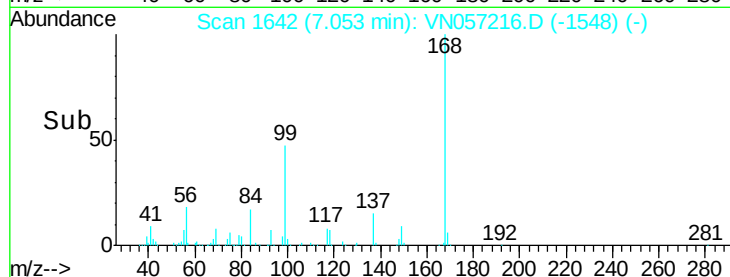
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.403 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057216.D

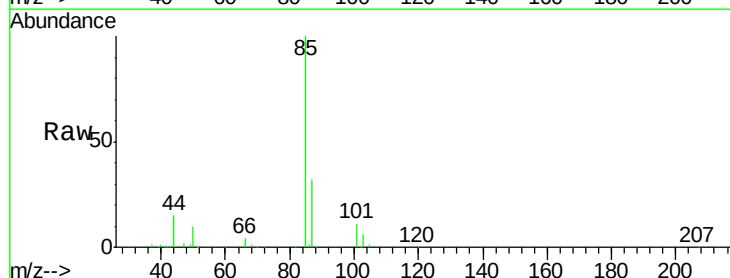
Acq: 12 Aug 2019 15:37

Tgt Ion: 85 Resp: 145202

Ion Ratio Lower Upper

85 100

87 32.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

120000

100000

80000

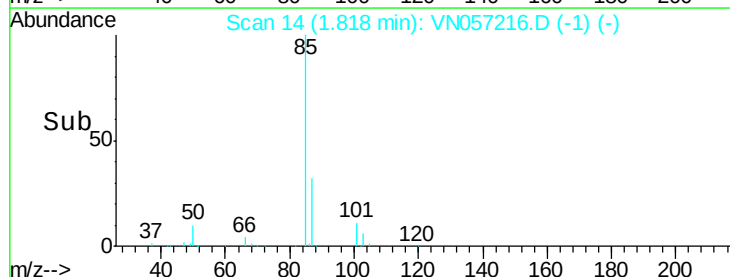
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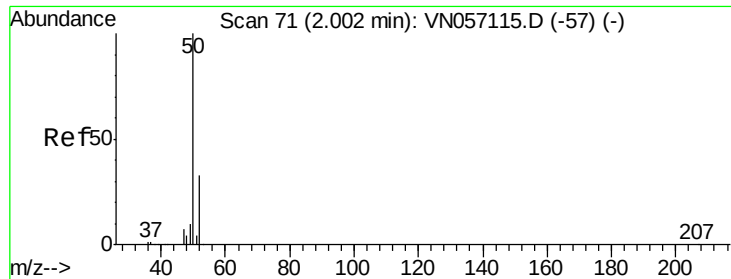
40000

20000

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Time-->





#3

Chloromethane

Concen: 15.674 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion: 50 Resp: 173754

Ion Ratio Lower Upper

50 100

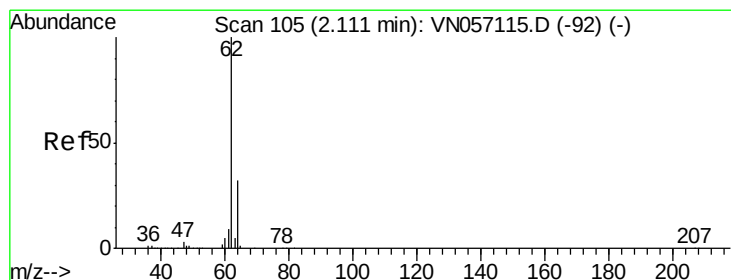
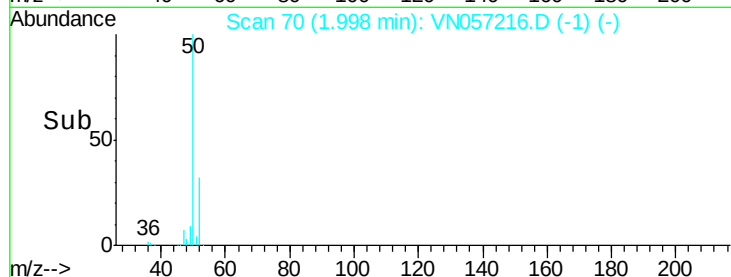
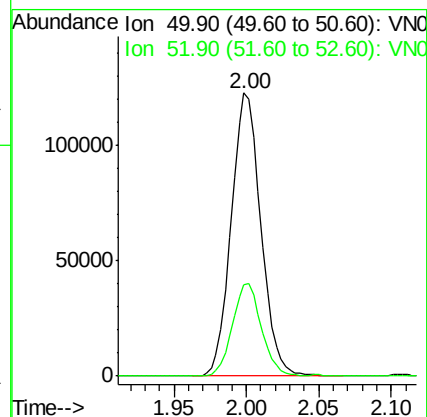
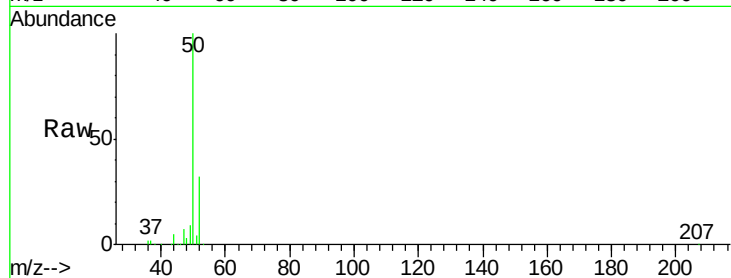
52 32.5 26.1 39.1

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#4

Vinyl Chloride

Concen: 16.861 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057216.D

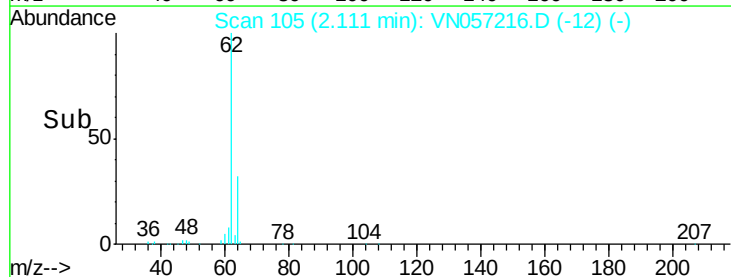
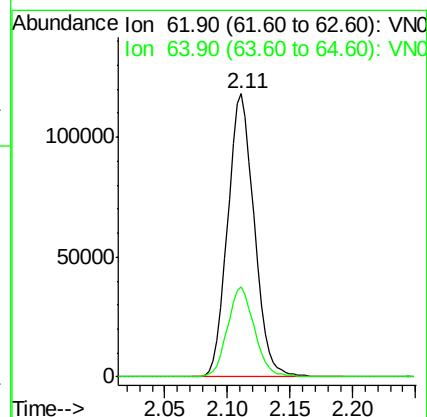
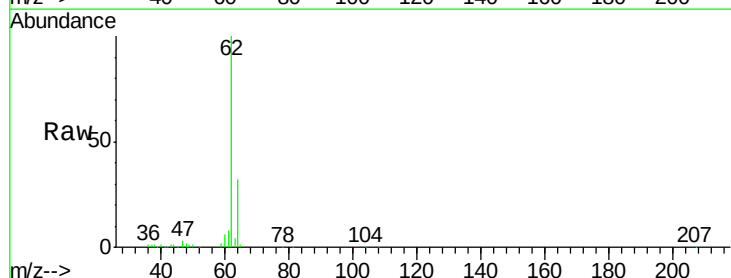
Acq: 12 Aug 2019 15:37

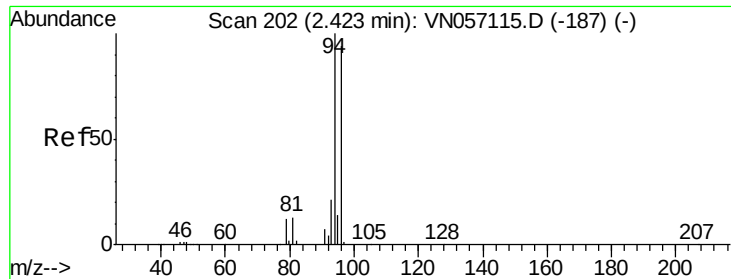
Tgt Ion: 62 Resp: 173743

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 18.722 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion: 94 Resp: 131077

Ion Ratio Lower Upper

94 100

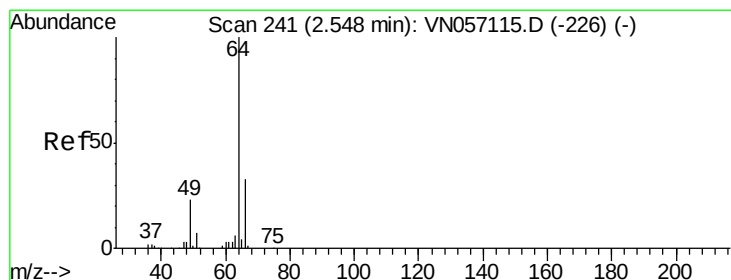
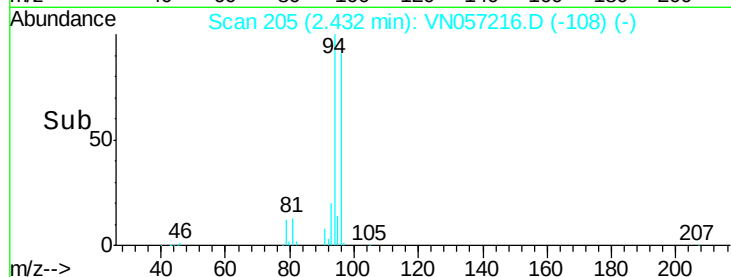
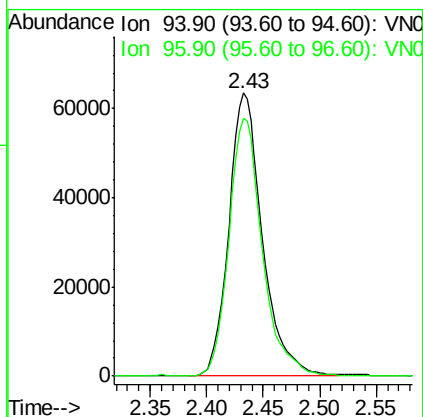
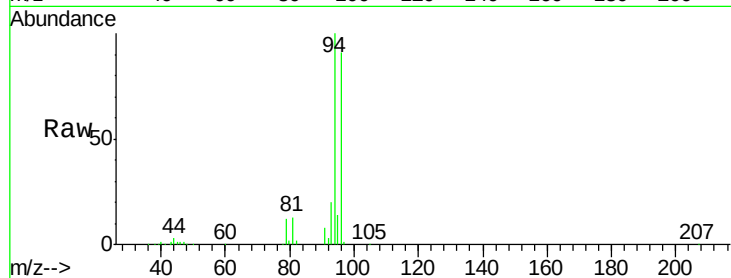
96 91.2 75.0 112.4

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#6

Chloroethane

Concen: 18.196 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057216.D

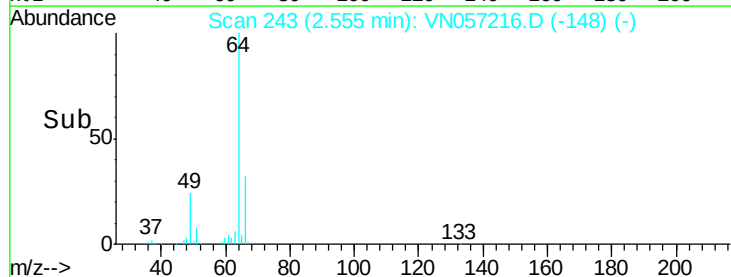
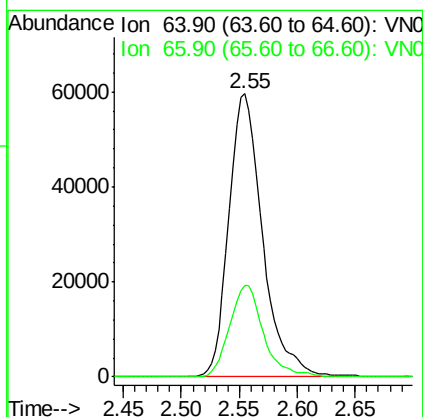
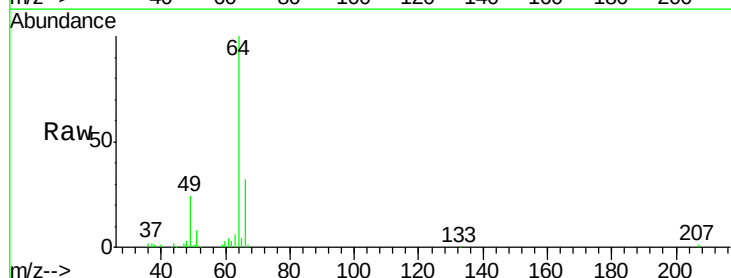
Acq: 12 Aug 2019 15:37

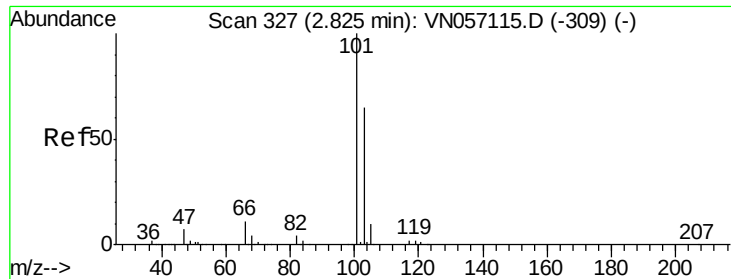
Tgt Ion: 64 Resp: 120262

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.4





#7

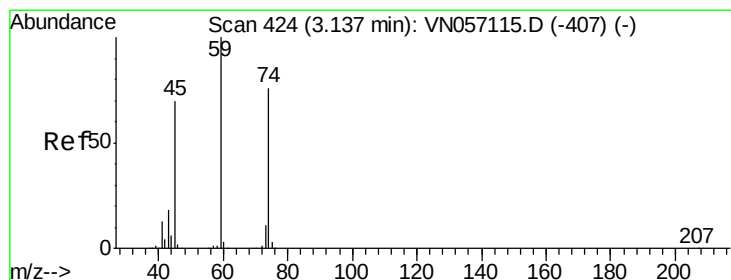
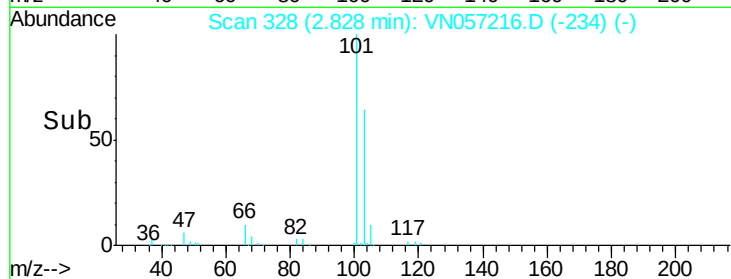
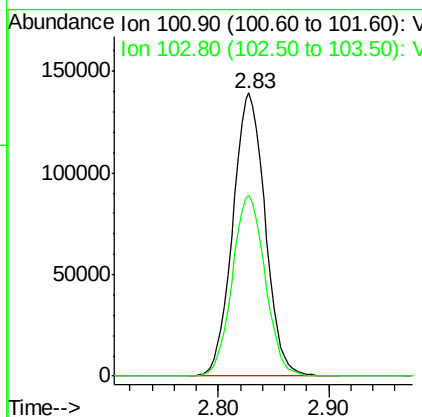
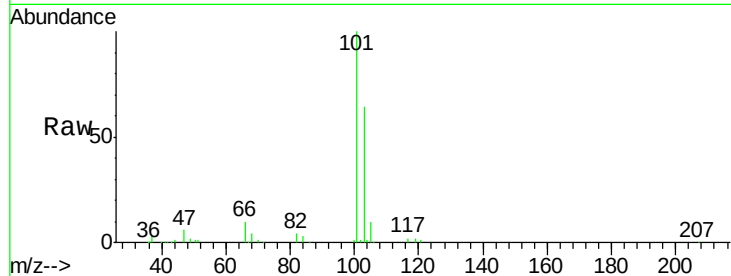
Trichlorofluoromethane
 Concen: 19.092 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	282773		
103	64.0	52.2	78.4	

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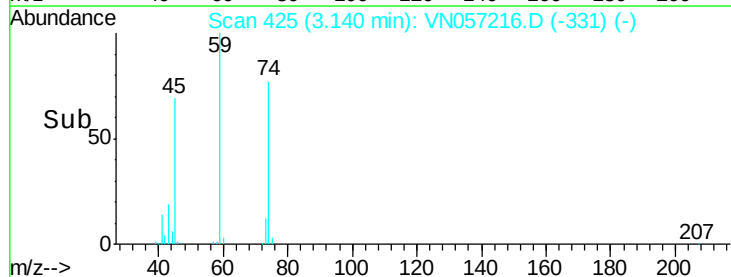
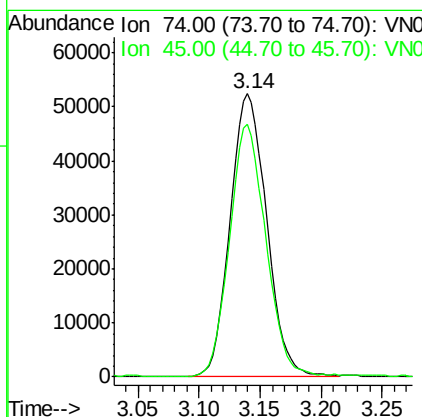
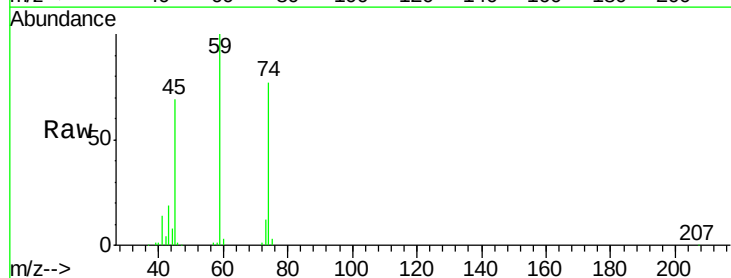
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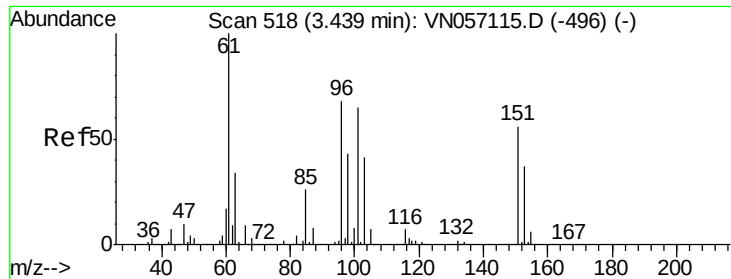


#8

Diethyl Ether
 Concen: 19.074 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109146		
45	89.4	46.3	138.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.252 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

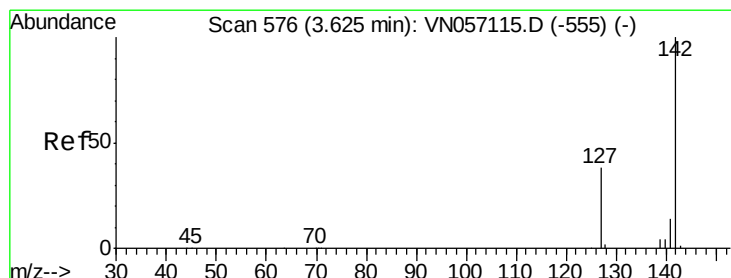
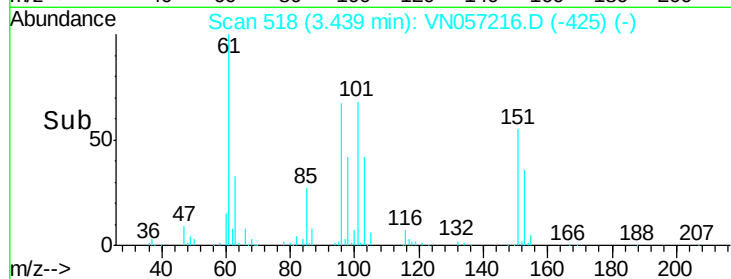
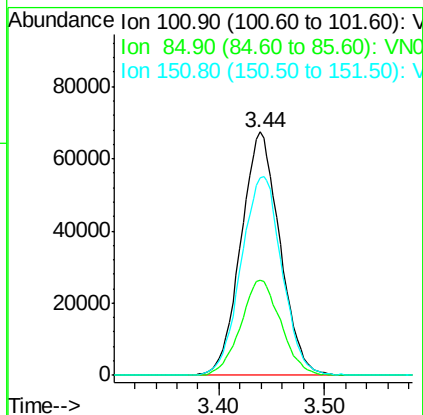
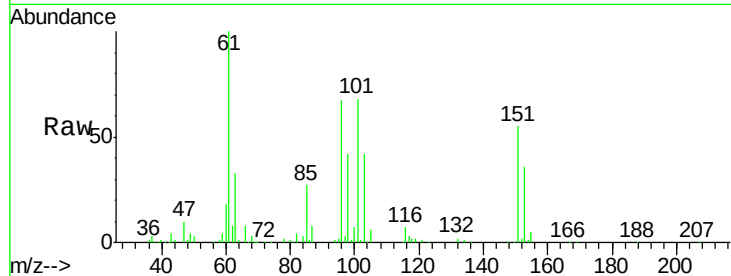
ClientSampleId :

VN0812WBS02

Tot Ion:	101	Resp:	172861
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.3	48.5
151	85.8	69.4	104.0

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#10

Methyl Iodide

Concen: 18.982 ug/l

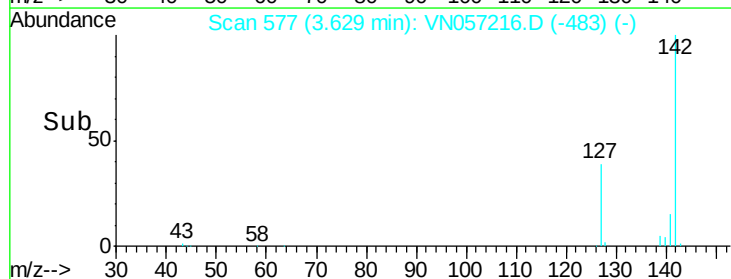
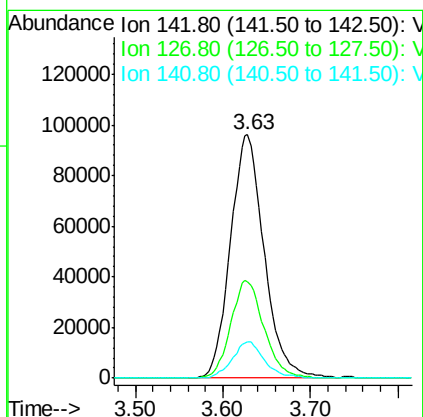
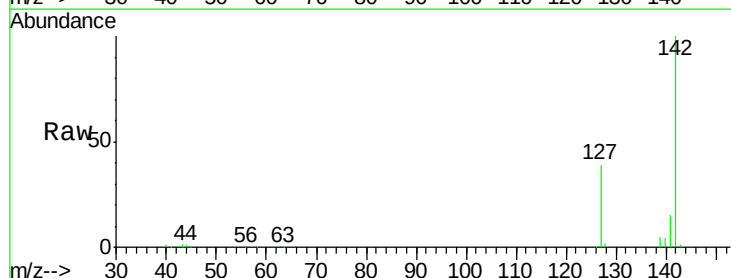
RT: 3.63 min Scan# 577

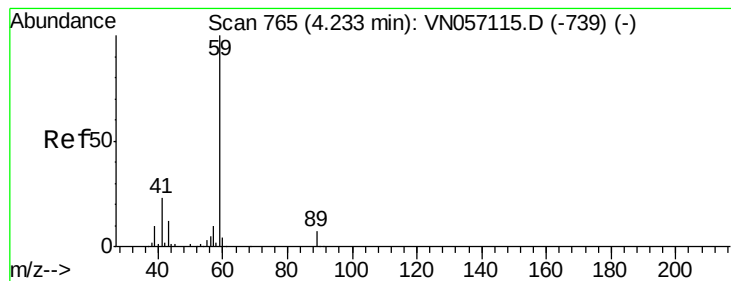
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	142	Resp:	257554
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.0	46.6
141	14.3	11.2	16.8





#11

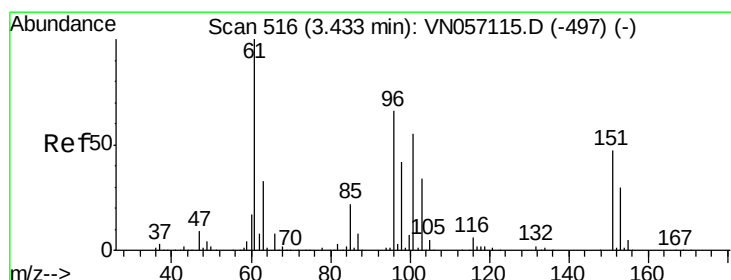
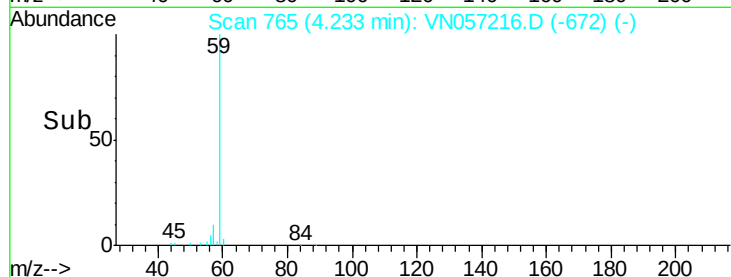
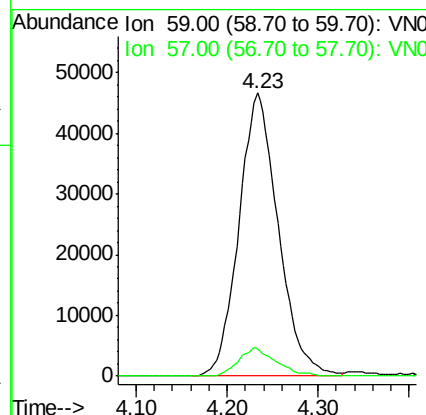
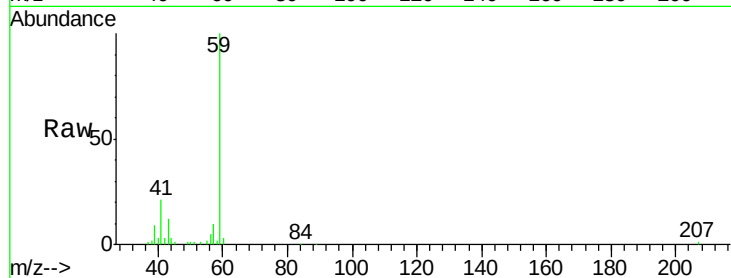
Tert butyl alcohol
Concen: 92.032 ug/l
RT: 4.23 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampled :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.9	11.9

Manual Integrations
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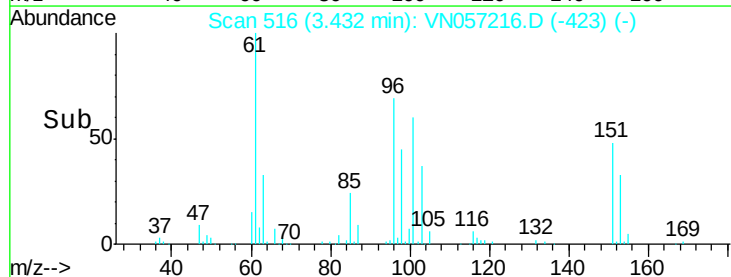
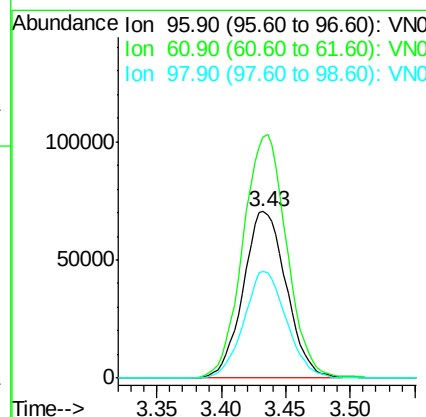
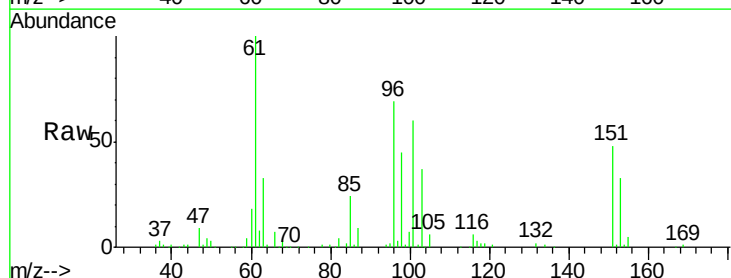
MMDadoda
8/14/2019 9:23:53 AM

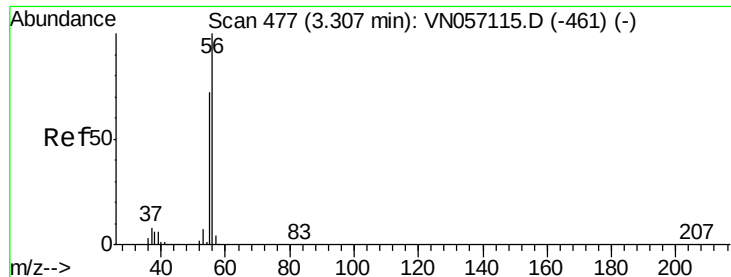


#12

1,1-Dichloroethene
Concen: 18.643 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.7	121.0	181.6
98	64.4	50.8	76.2





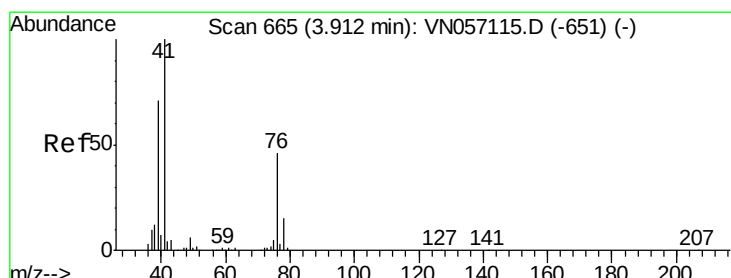
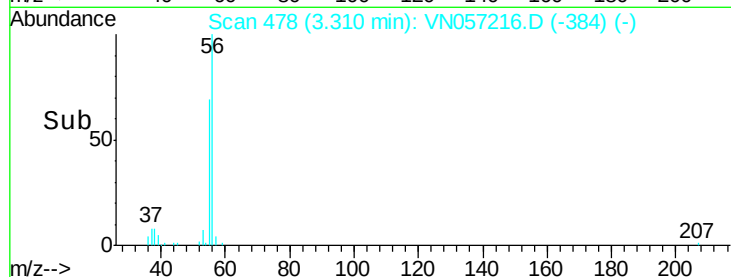
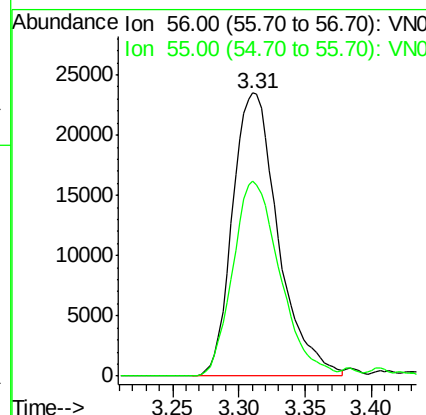
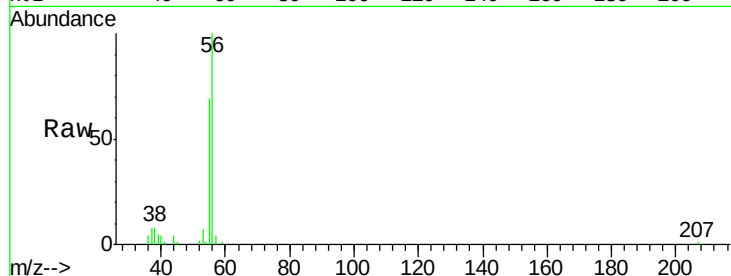
#13
Acrolein
Concen: 58.577 ug/l
RT: 3.31 min Scan# 478
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	56	Resp	56297
Ion Ratio	Lower	Upper	
56	100		
55	71.0	57.7	86.5

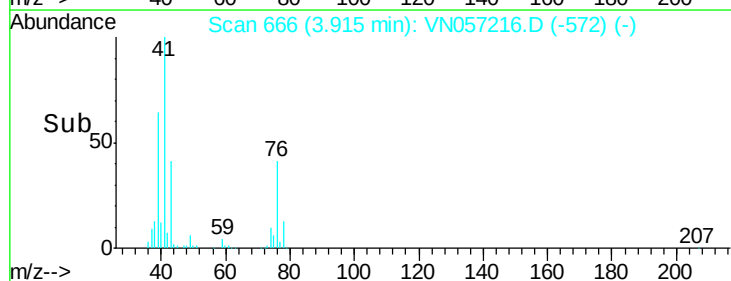
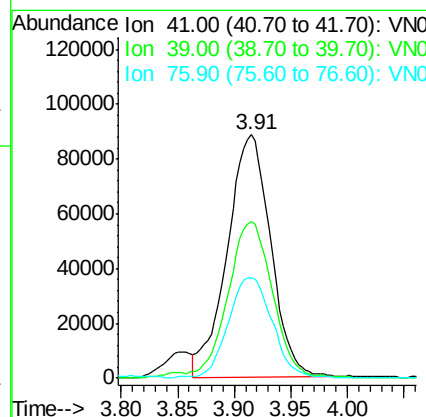
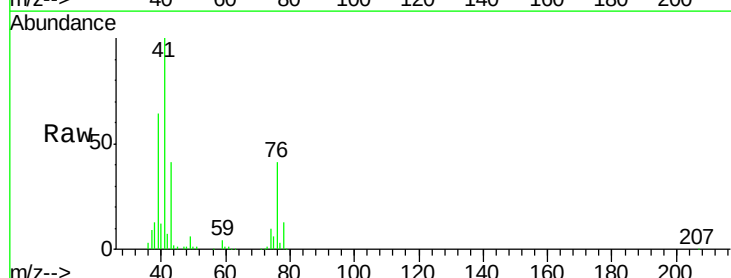
Manual Integrations
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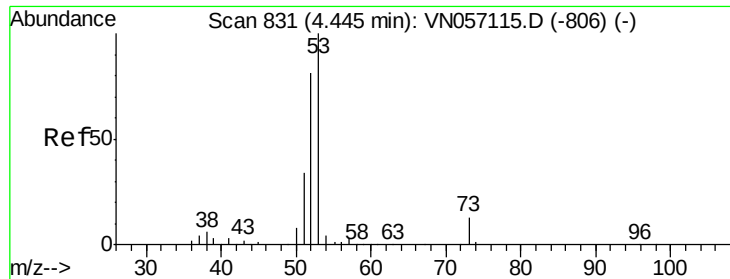
MMDadoda
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#14
Allyl chloride
Concen: 18.436 ug/l
RT: 3.91 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	41	Resp	236660
Ion Ratio	Lower	Upper	
41	100		
39	65.9	51.1	76.7
76	42.2	32.8	49.2





#15

Acrylonitrile

Concen: 99.149 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

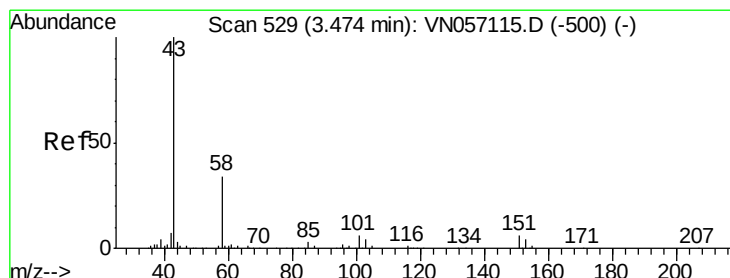
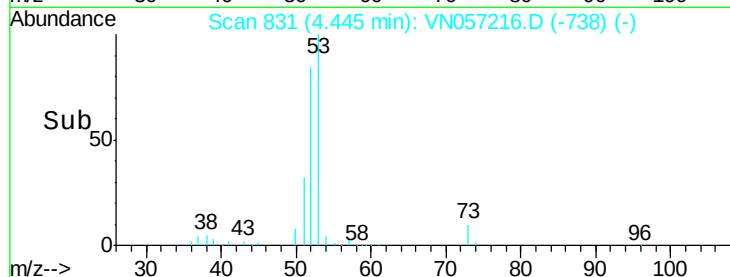
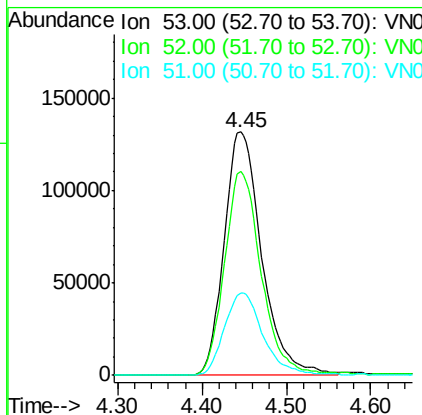
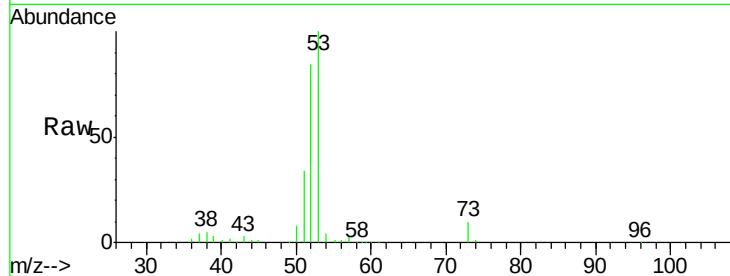
ClientSampleId :

VN0812WBS02

Tot Ion:	53	Resp:	407667
Ion Ratio	Lower	Upper	
53	100		
52	81.9	64.9	97.3
51	35.2	27.8	41.6

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#16

Acetone

Concen: 102.305 ug/l

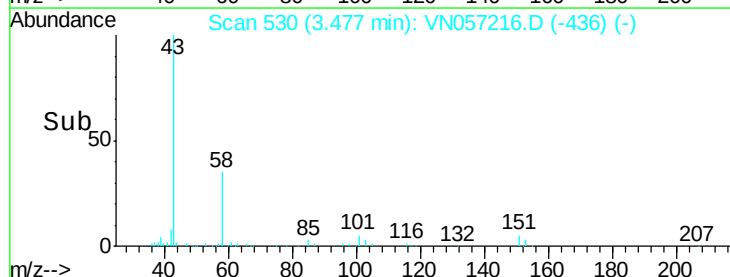
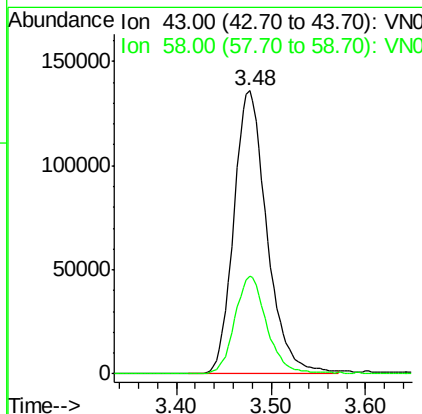
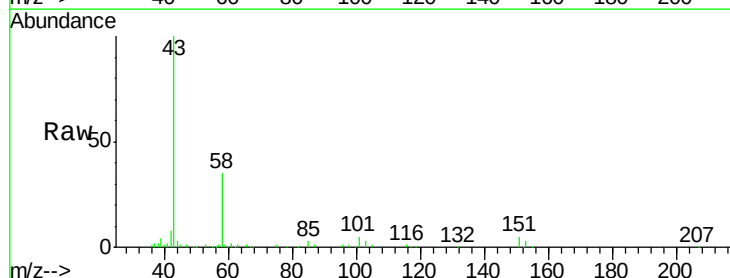
RT: 3.48 min Scan# 530

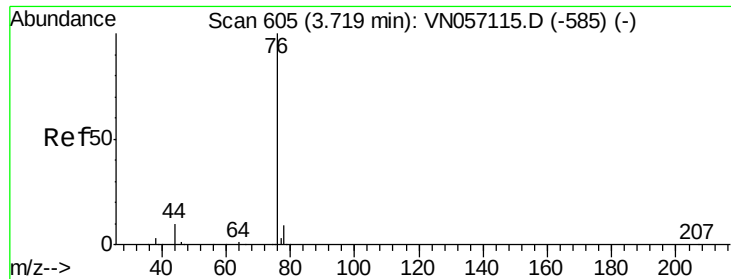
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	43	Resp:	329841
Ion Ratio	Lower	Upper	
43	100		
58	34.7	27.4	41.2





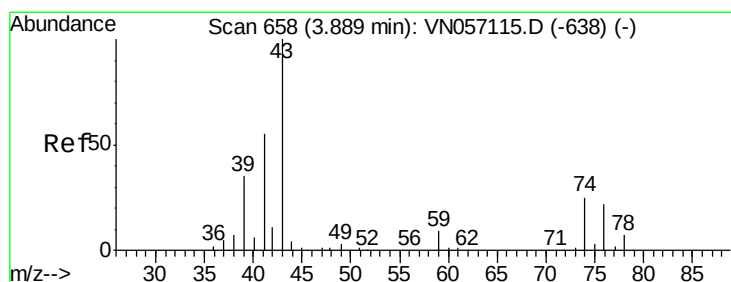
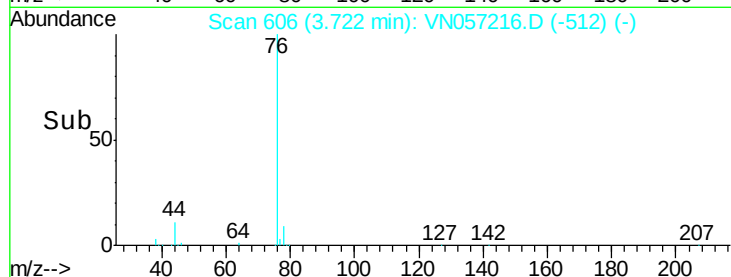
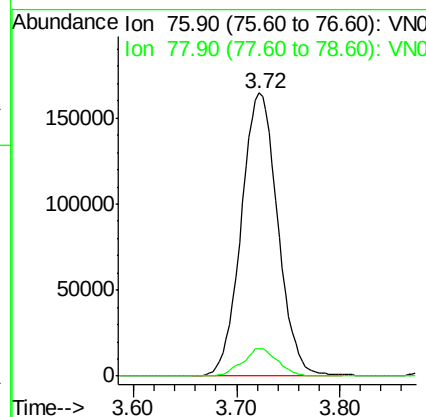
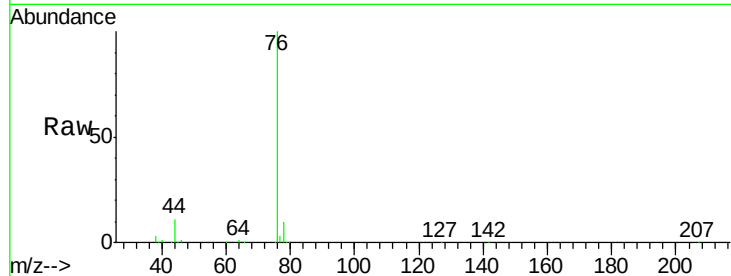
#17
Carbon Disulfide
Concen: 17.226 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

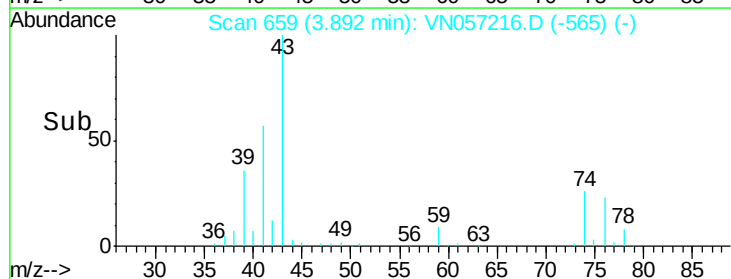
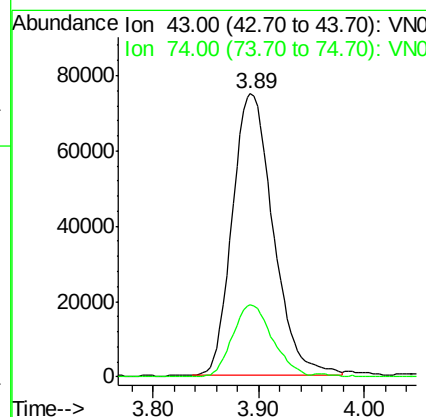
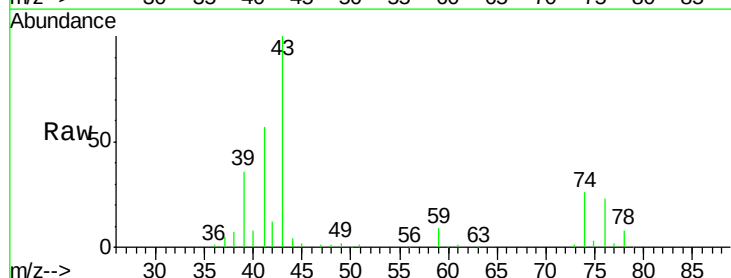
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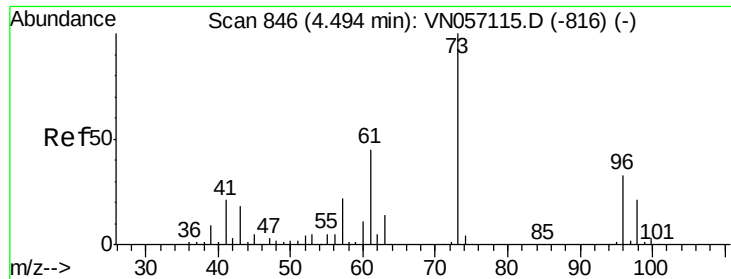
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#18
Methyl Acetate
Concen: 20.557 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.2	30.4





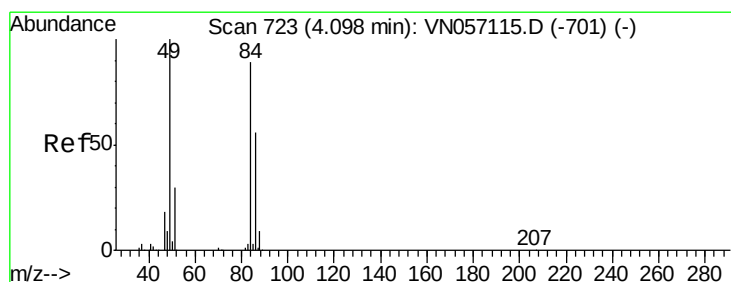
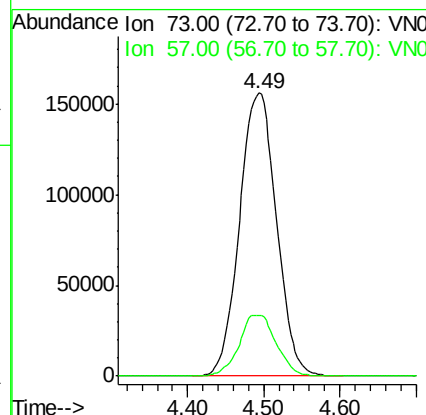
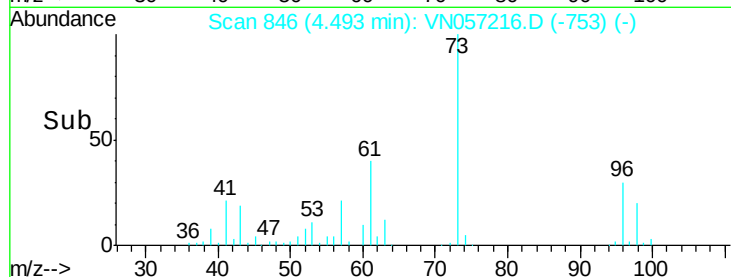
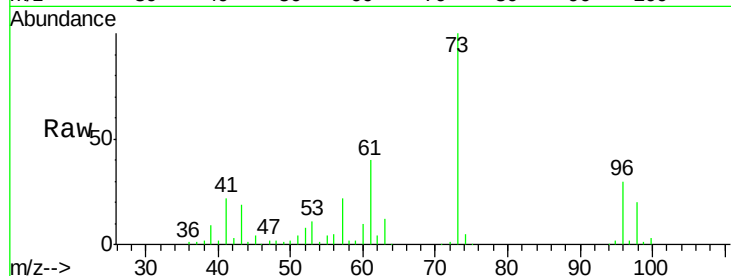
#19
Methyl tert-butyl Ether
Concen: 19.778 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion: 73 Resp: 527409
Ion Ratio Lower Upper
73 100
57 21.5 18.0 27.0

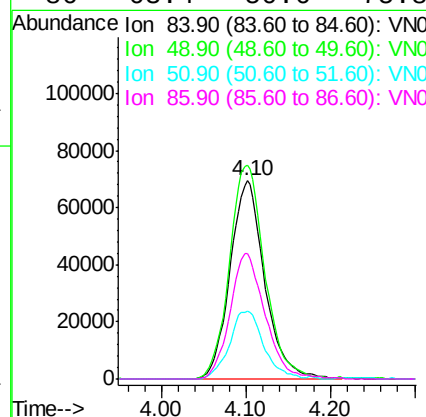
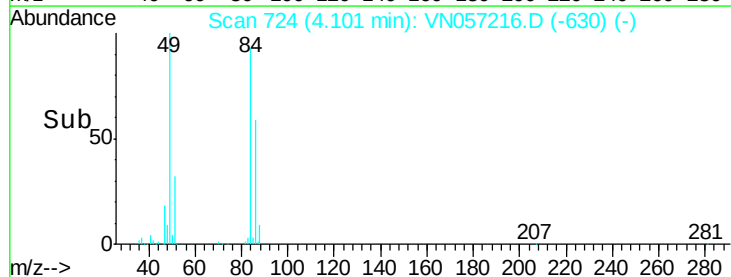
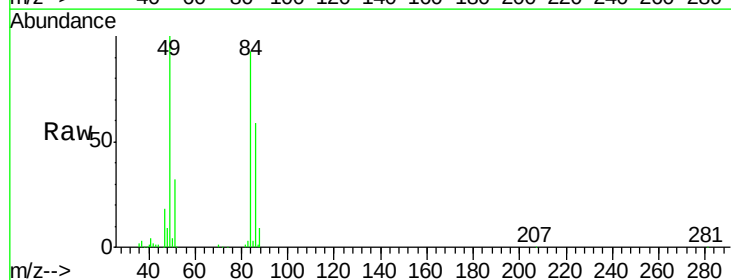
Manual Integrations
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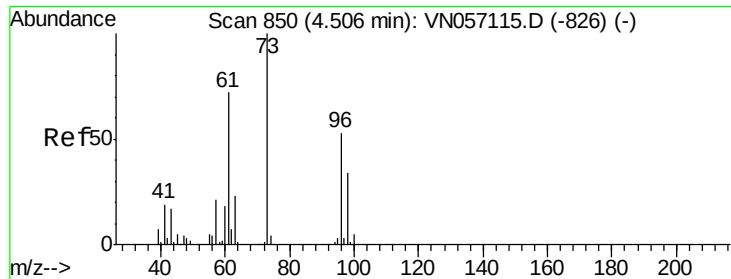
MMDadoda
8/14/2019 9:23:53 AM



#20
Methylene Chloride
Concen: 18.658 ug/l
RT: 4.10 min Scan# 724
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion: 84 Resp: 198526
Ion Ratio Lower Upper
84 100
49 107.7 89.5 134.3
51 34.1 27.2 40.8
86 63.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 18.631 ug/l

RT: 4.51 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

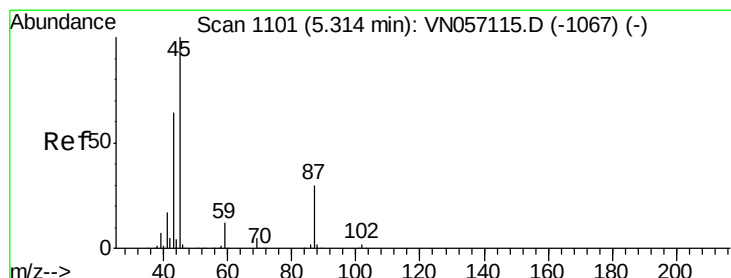
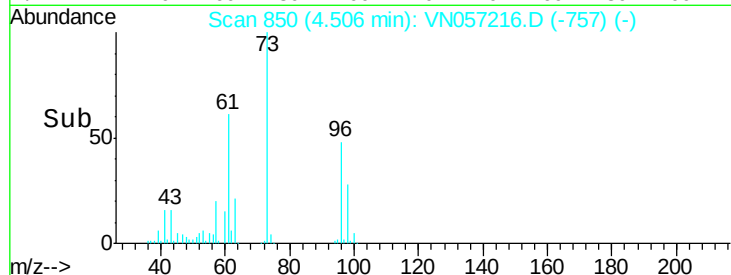
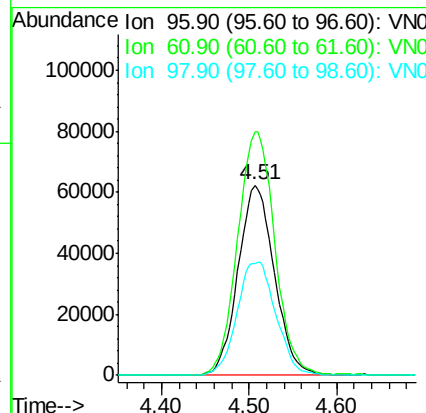
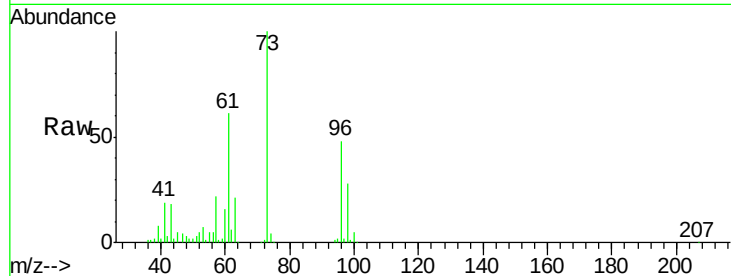
ClientSampleId :

VN0812WBS02

Tot Ion:	96	Resp:	179272
Ion	Ratio	Lower	Upper
96	100		
61	128.1	108.1	162.1
98	59.1	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.336 ug/l

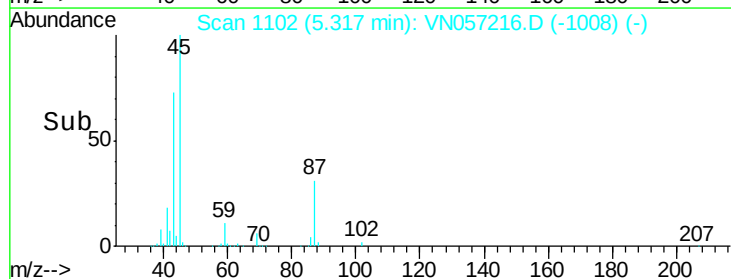
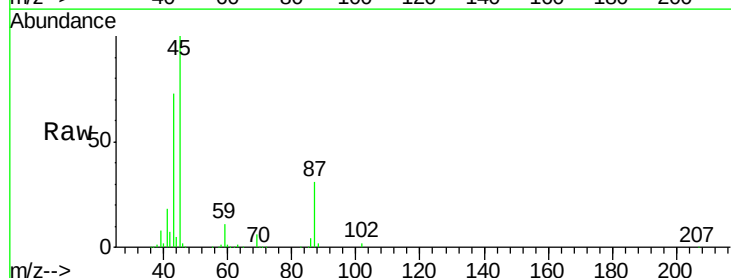
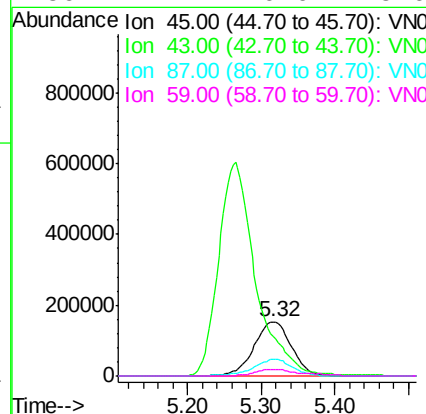
RT: 5.32 min Scan# 1102

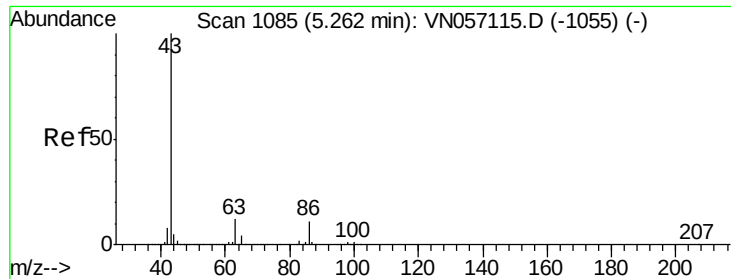
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	45	Resp:	541398
Ion	Ratio	Lower	Upper
45	100		
43	71.2	54.1	81.1
87	31.2	24.0	36.0
59	11.2	10.0	15.0





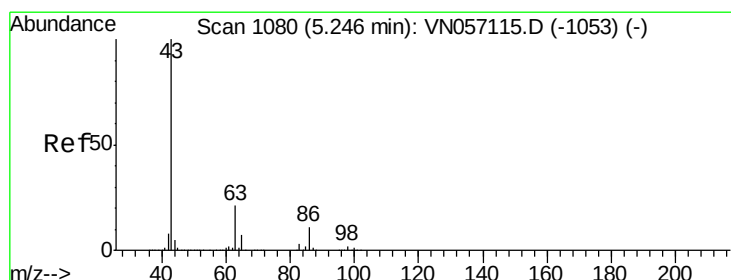
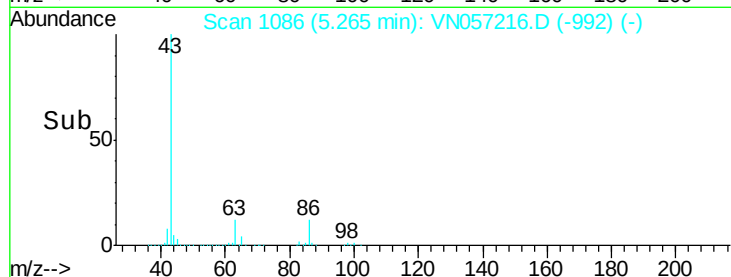
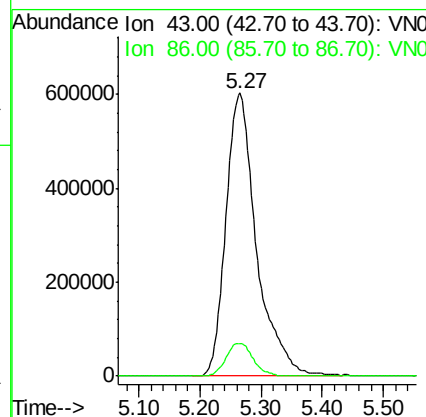
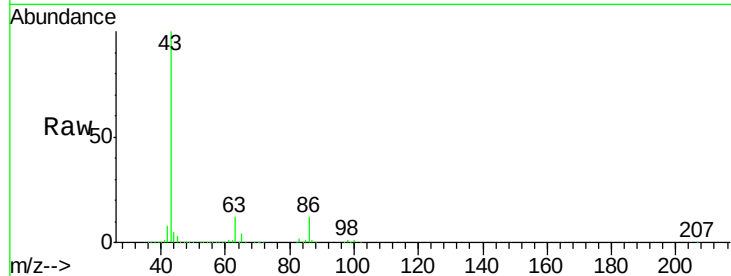
#23
 Vinyl Acetate
 Concen: 98.181 ug/l
 RT: 5.27 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion: 43 Resp: 2105091
 Ion Ratio Lower Upper
 43 100
 86 11.6 9.2 13.8

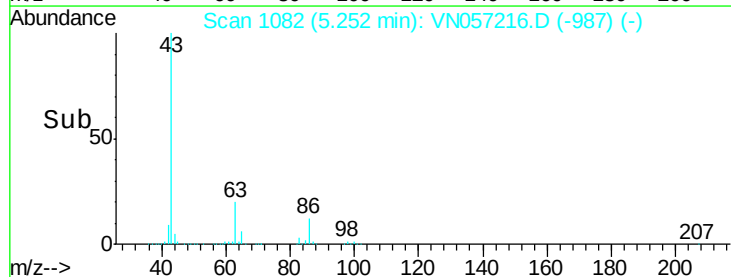
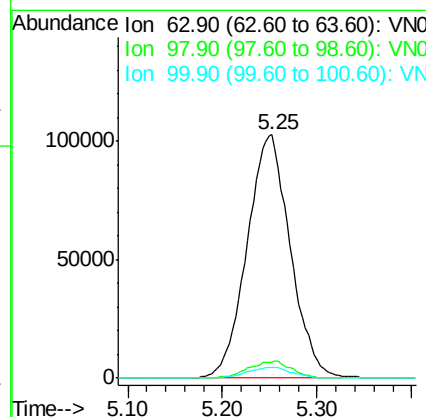
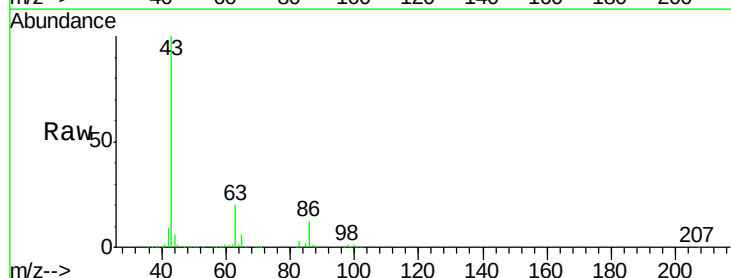
Manual Integrations
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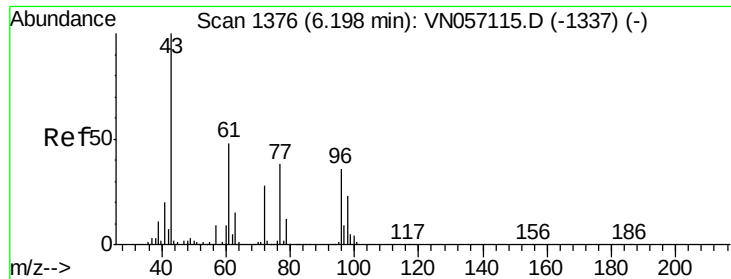
MMDadoda
 8/14/2019 9:23:53 AM



#24
 1,1-Dichloroethane
 Concen: 18.897 ug/l
 RT: 5.25 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion: 63 Resp: 325265
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.8 11.2
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 102.197 ug/l

RT: 6.20 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion: 43 Resp: 503416

Ion Ratio Lower Upper

43 100

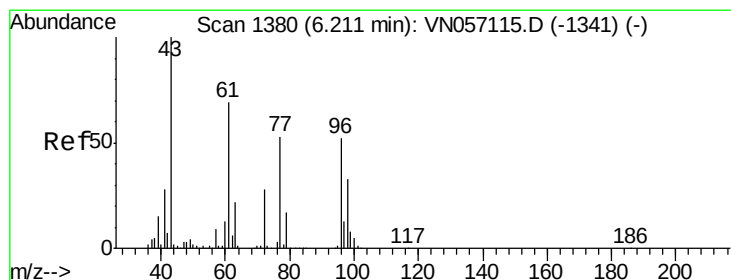
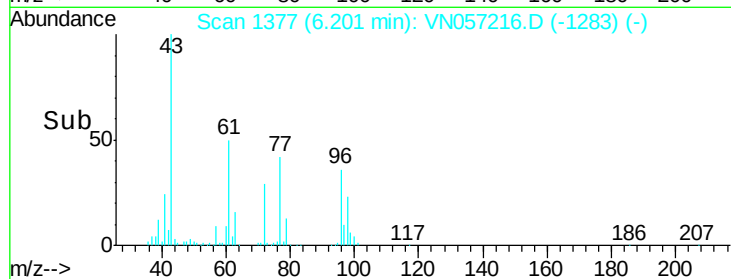
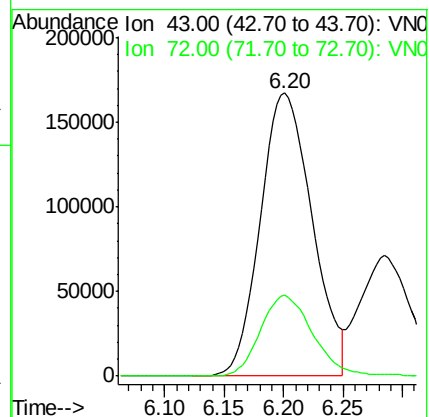
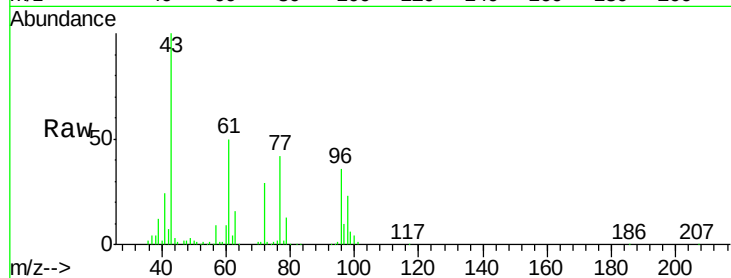
72 28.6 22.2 33.4

Manual Integrations

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8/14/2019 9:23:53 AM



#26

2,2-Dichloropropane

Concen: 20.951 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057216.D

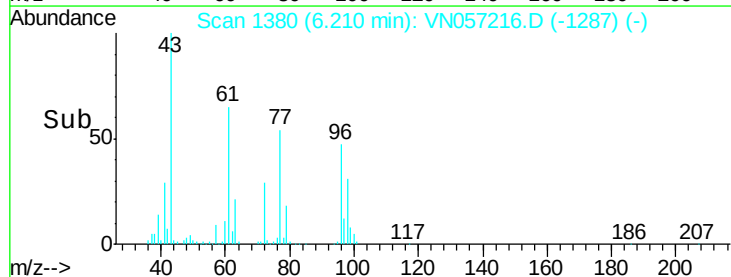
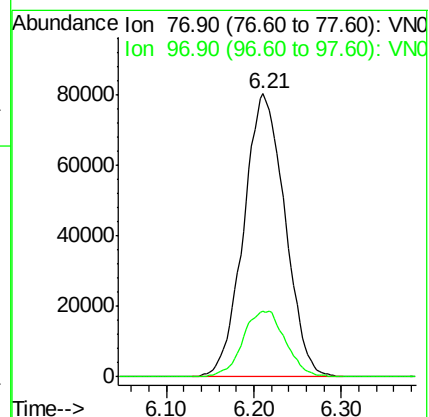
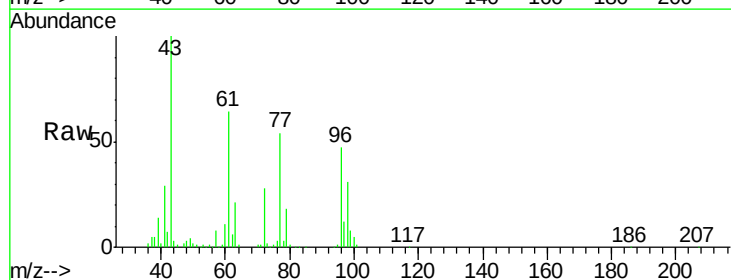
Acq: 12 Aug 2019 15:37

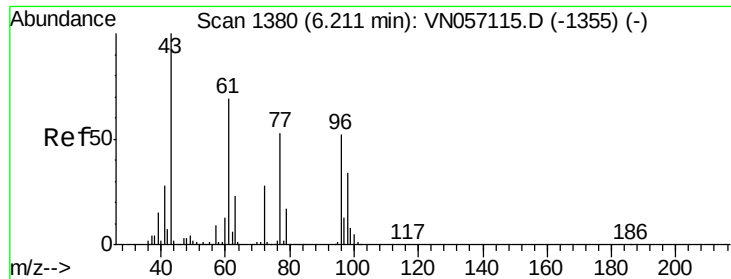
Tgt Ion: 77 Resp: 262361

Ion Ratio Lower Upper

77 100

97 24.0 12.3 36.8





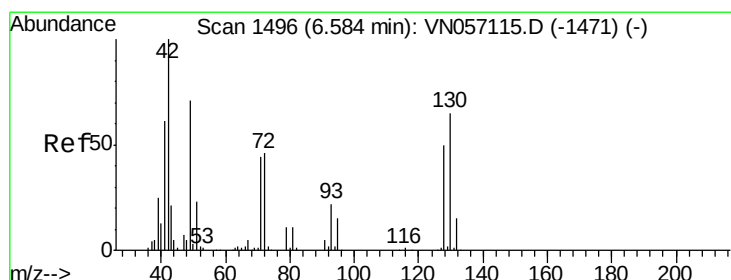
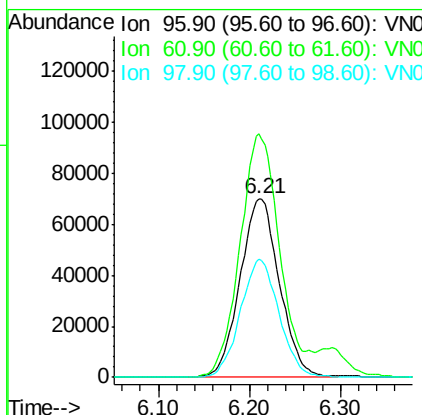
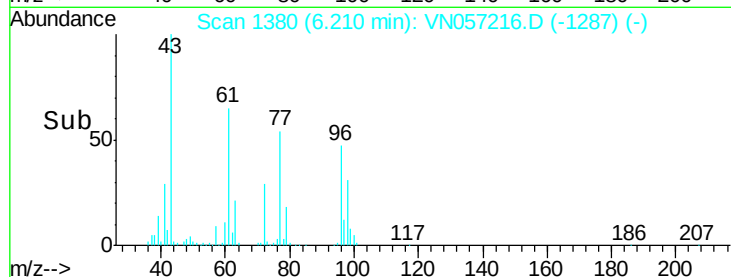
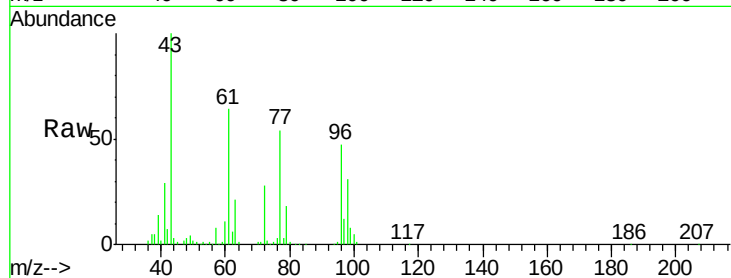
#27
 cis-1,2-Dichloroethene
 Concen: 19.114 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	210698		
61	136.0	0.0	273.4	
98	64.9	0.0	130.4	

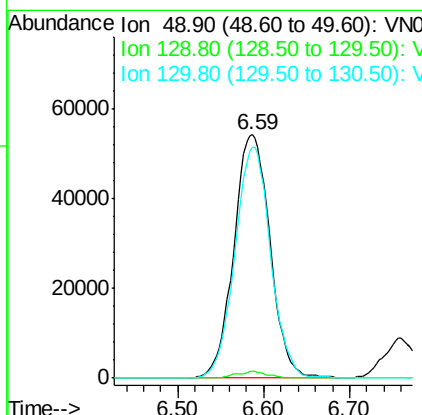
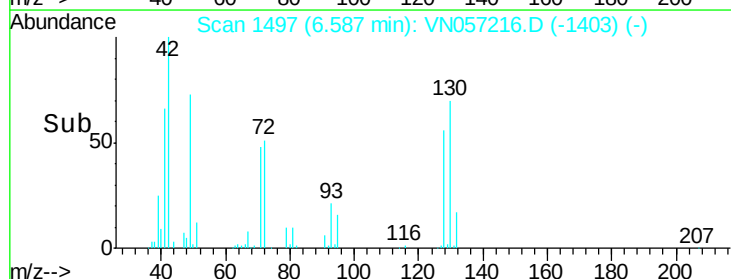
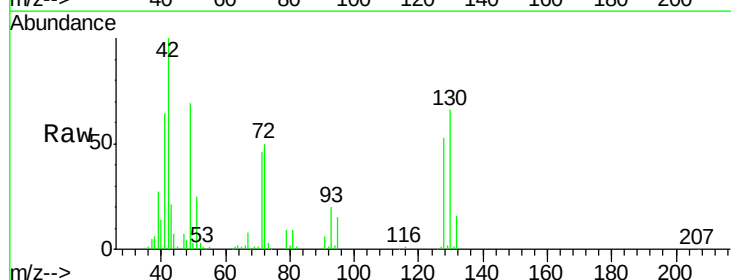
Manual Integrations
 APPROVED

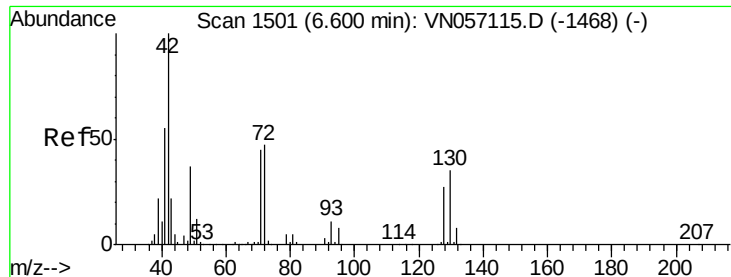
MMDadoda
 8/14/2019 9:23:53 AM



#28
 Bromochloromethane
 Concen: 20.057 ug/l
 RT: 6.59 min Scan# 1497
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158789		
129	2.4	0.0	4.8	
130	93.3	73.8	110.8	





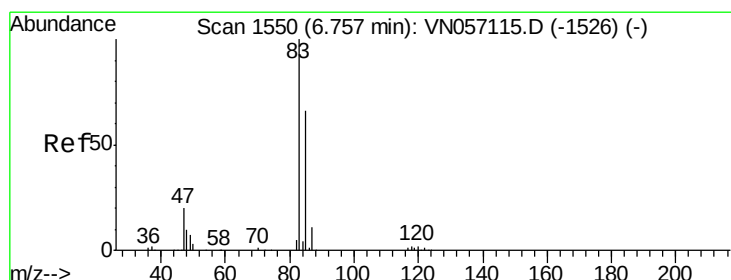
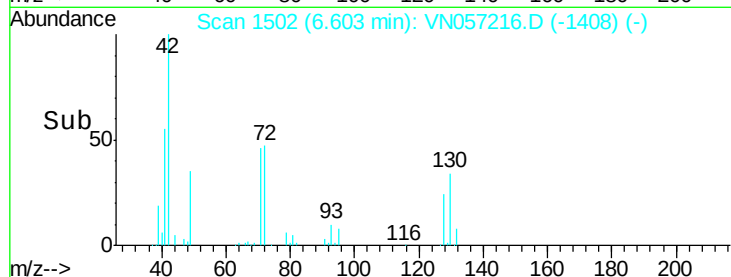
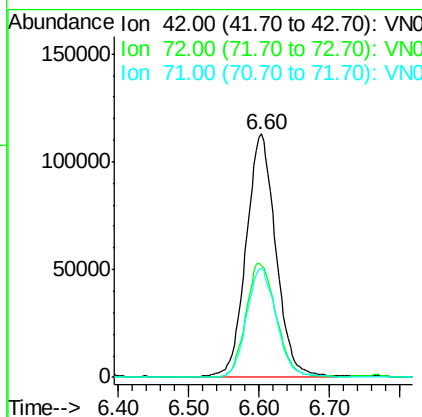
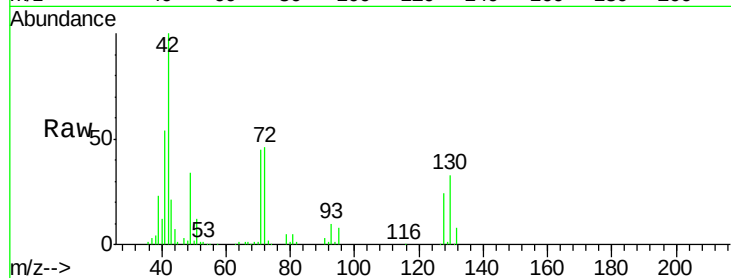
#29
Tetrahydrofuran
Concen: 99.750 ug/l
RT: 6.60 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.7	37.1	55.7
71	44.6	34.8	52.2

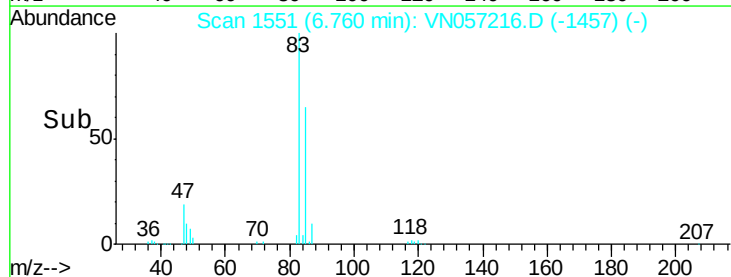
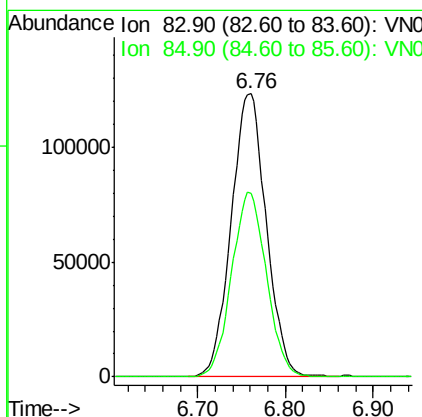
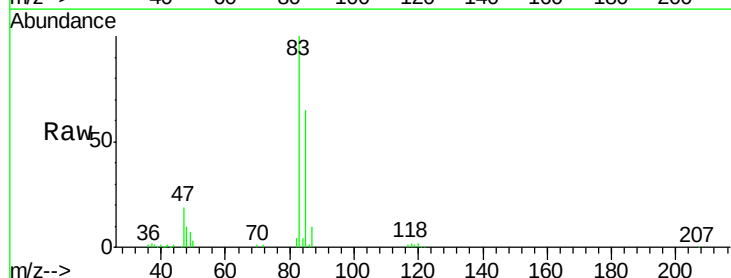
Manual Integrations
APPROVED

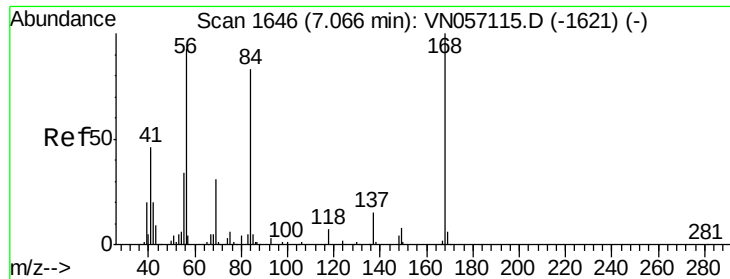
MMDadoda
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#30
Chloroform
Concen: 19.294 ug/l
RT: 6.76 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.6	78.8





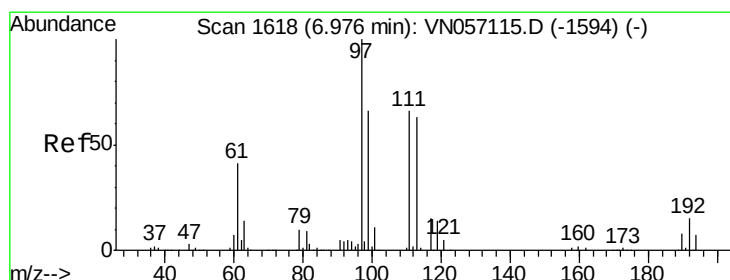
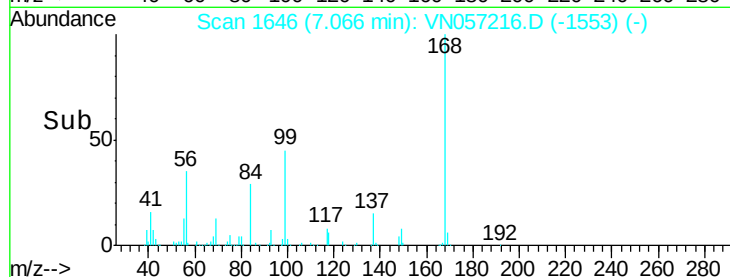
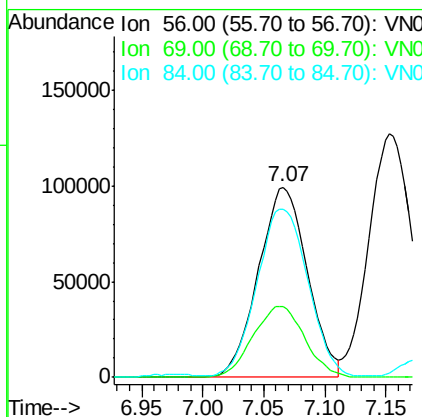
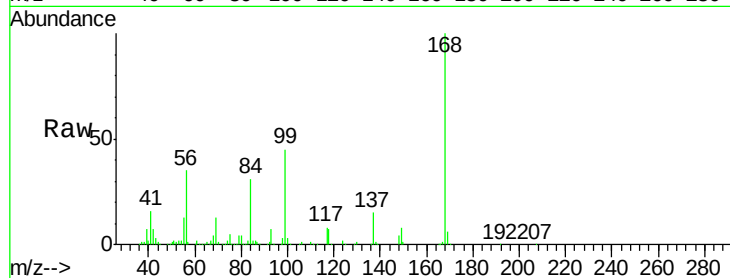
#31
Cyclohexane
Concen: 17.927 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		277607		
69	37.2	26.9	40.3		
84	87.1	71.9	107.9		

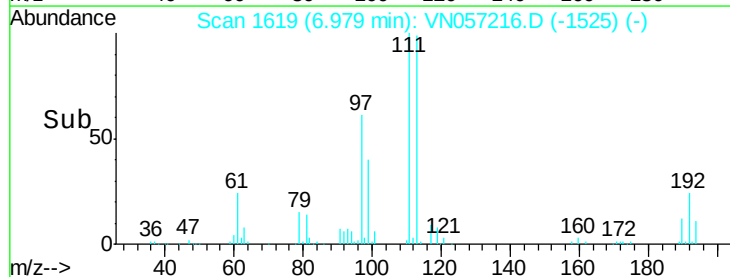
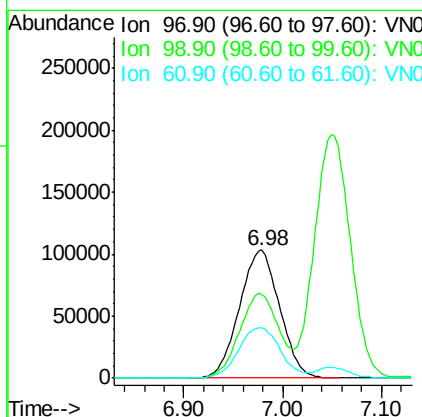
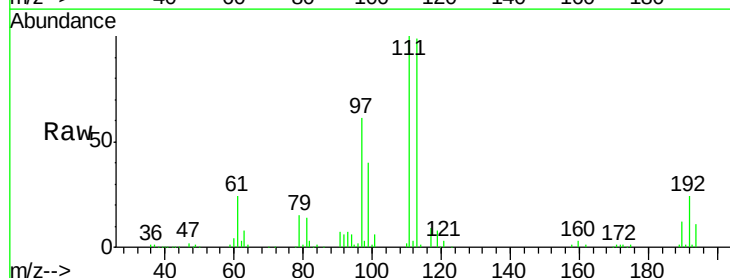
Manual Integrations
APPROVED

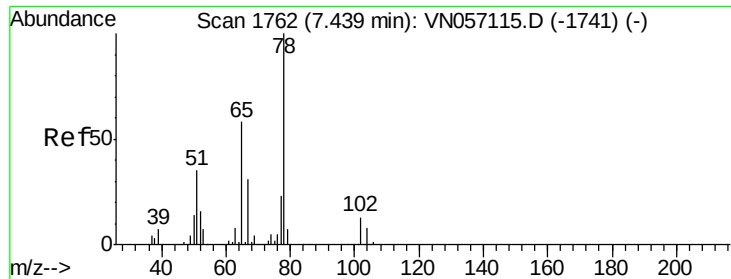
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.446 ug/l
RT: 6.98 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		290611		
99	65.6	51.8	77.6		
61	41.4	32.7	49.1		





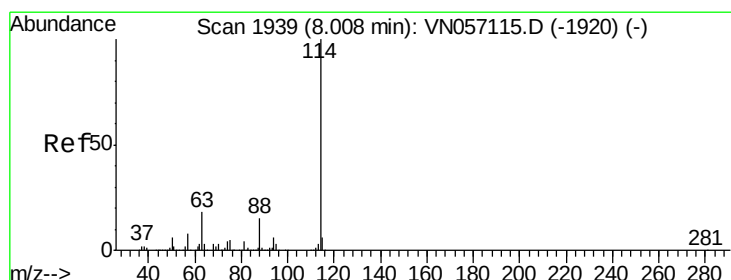
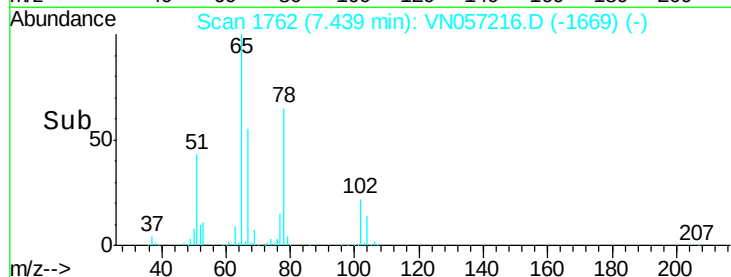
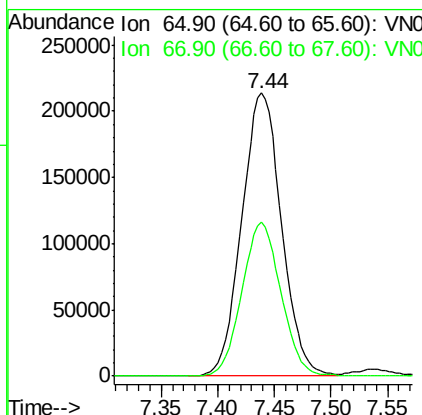
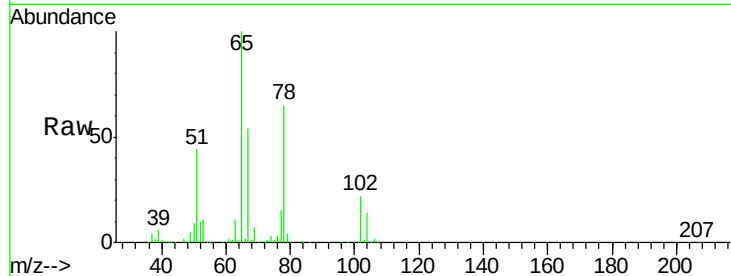
#33
 1,2-Dichloroethane-d4
 Concen: 48.924 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	522298		
67	53.3	0.0	108.2	

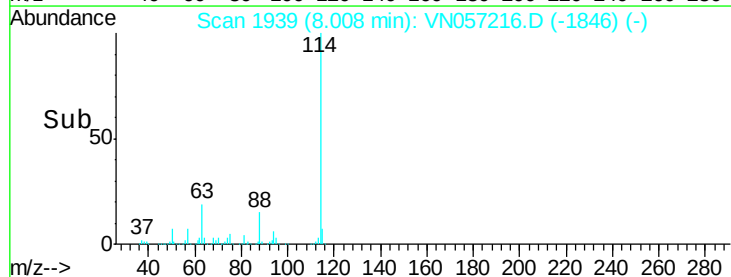
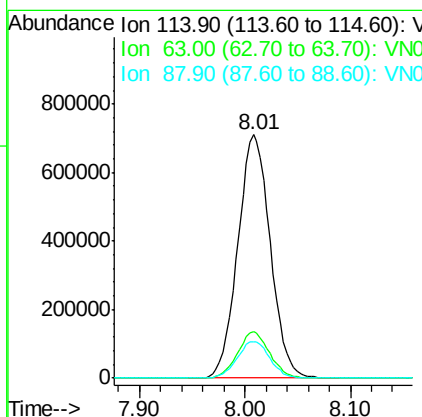
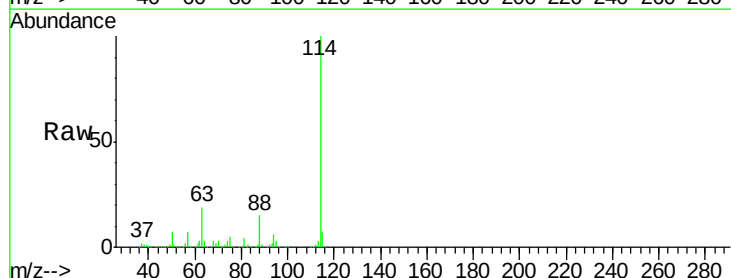
Manual Integrations
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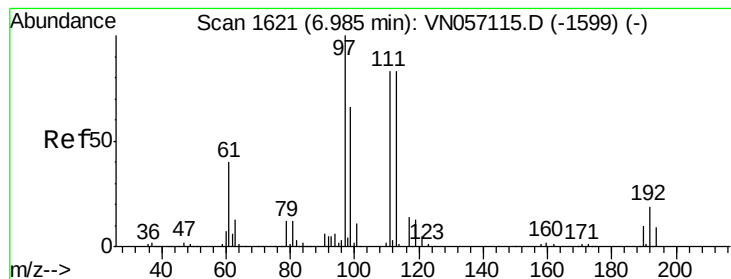
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1519001		
63	19.2	0.0	36.2	
88	15.0	0.0	30.0	





#35

Dibromofluoromethane

Concen: 49.068 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

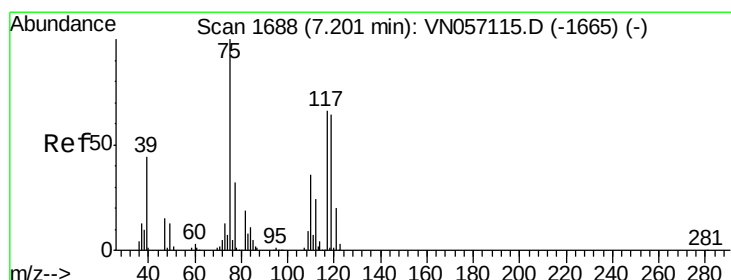
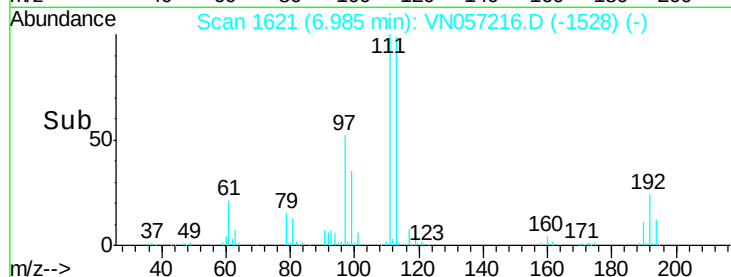
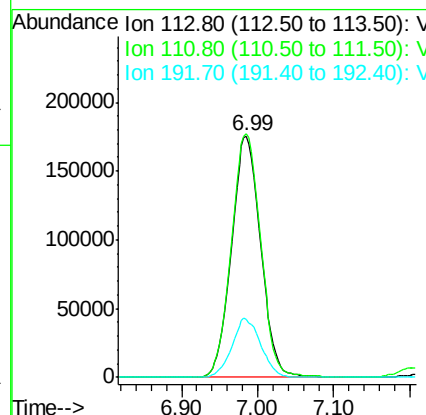
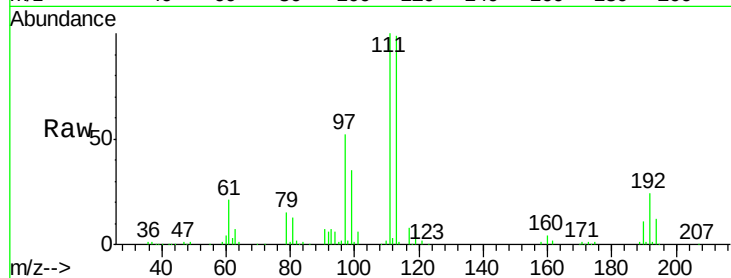
ClientSampleId :

VN0812WBS02

Tot Ion:	113	Resp:	467715
Ion Ratio	Lower	Upper	
113	100		
111	101.4	81.3	121.9
192	24.3	19.0	28.4

Manual Integrations
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MMDadoda
8/14/2019 9:23:53 AM



#36

1,1-Dichloropropene

Concen: 19.458 ug/l

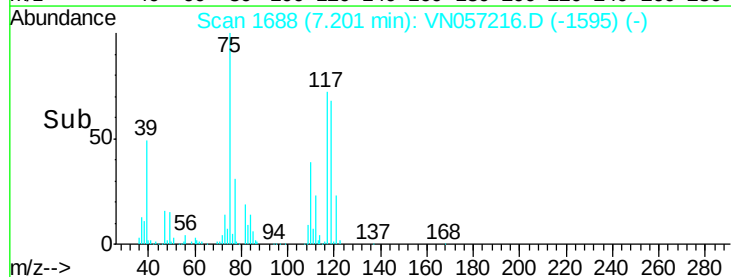
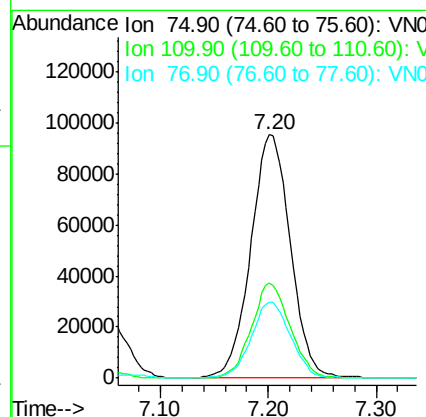
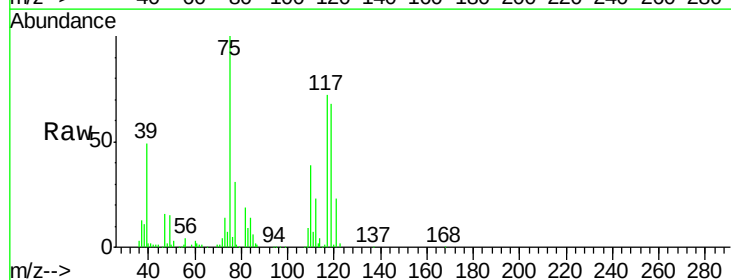
RT: 7.20 min Scan# 1688

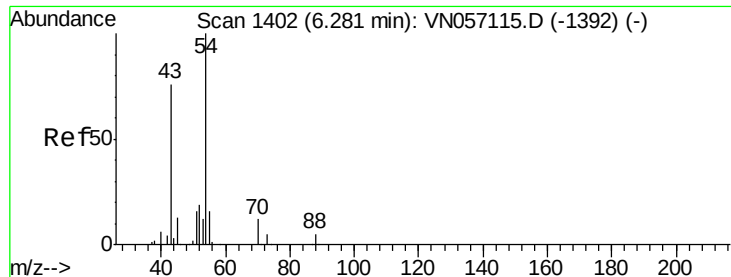
Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	75	Resp:	243356
Ion Ratio	Lower	Upper	
75	100		
110	38.2	18.7	56.1
77	31.1	25.0	37.4





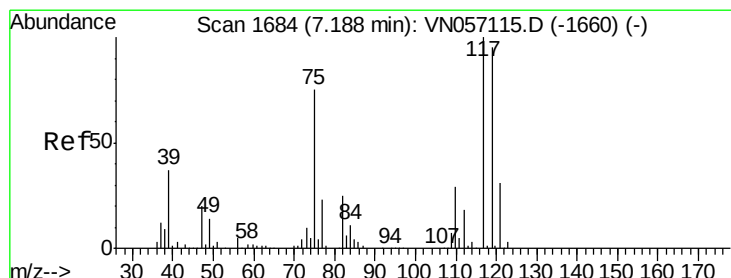
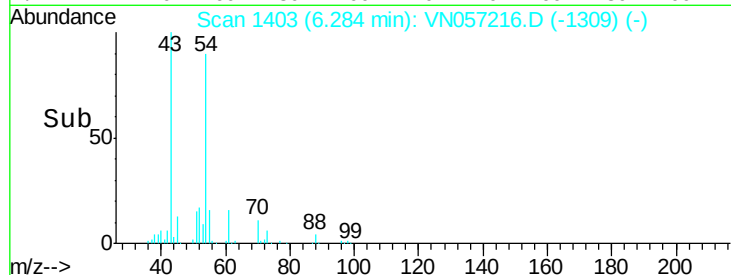
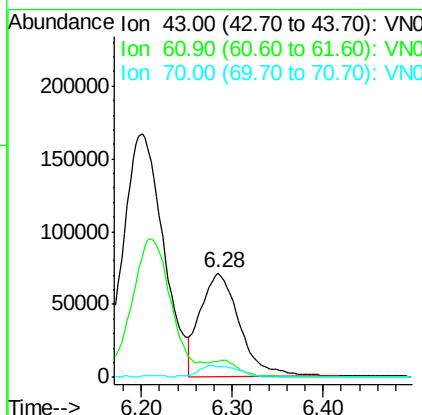
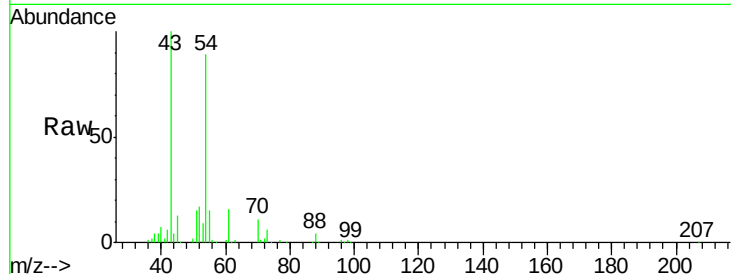
#37
Ethyl Acetate
Concen: 20.520 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	211636		
61	0.0	0.0	0.0	0.0
70	11.4	9.1	13.7	

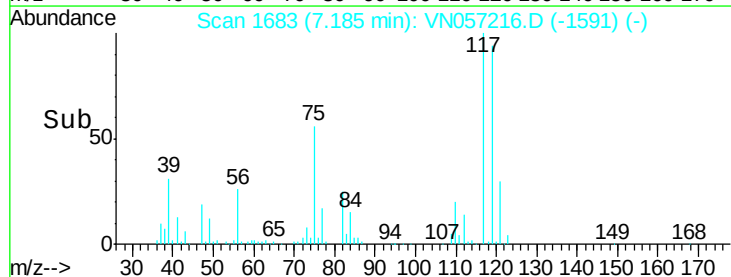
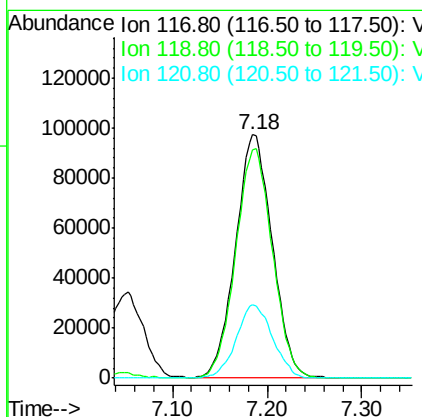
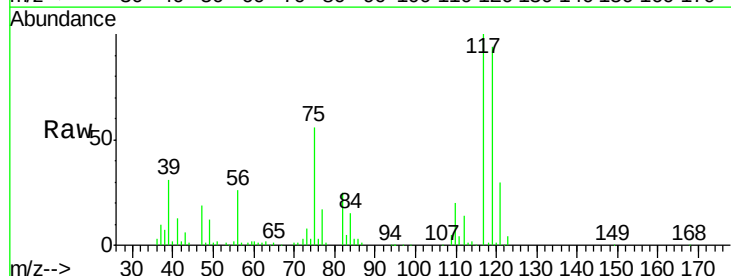
Manual Integrations
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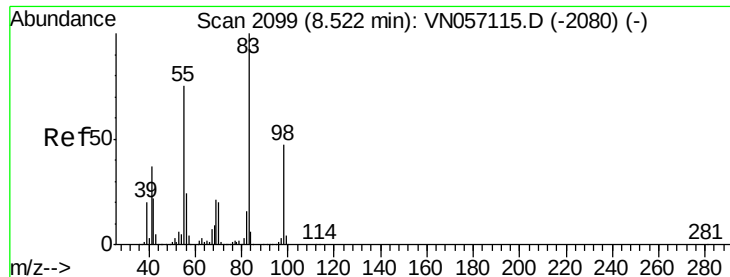
MMDadoda
8/14/2019 9:23:53 AM



#38
Carbon Tetrachloride
Concen: 20.169 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	262884		
119	93.8	75.8	113.6	
121	30.3	24.4	36.6	





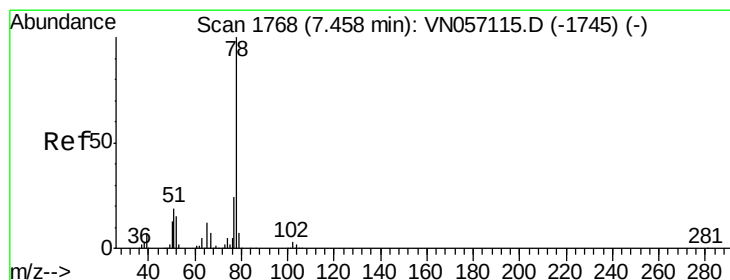
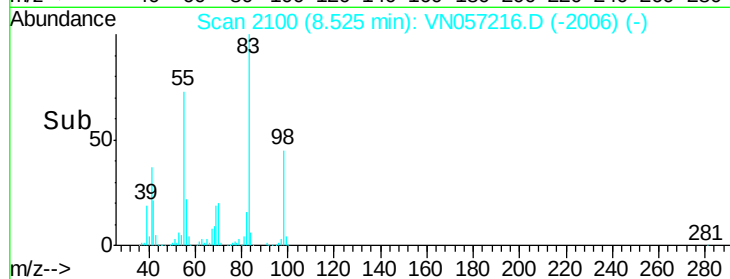
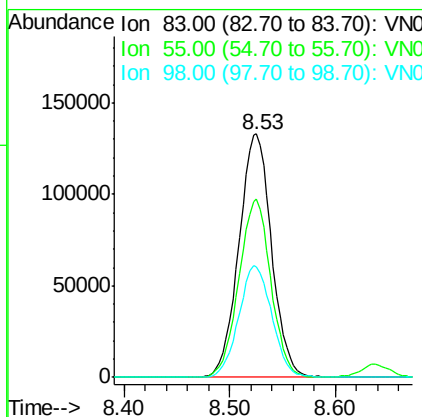
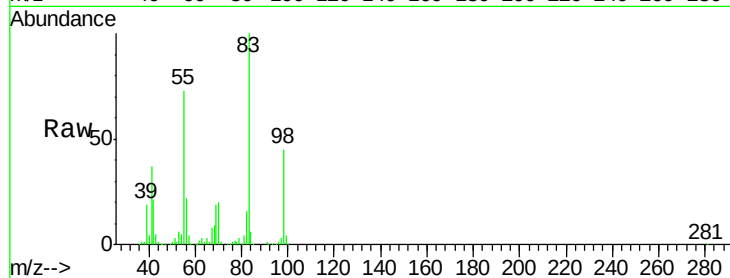
#39
Methylvlcyclohexane
Concen: 18.821 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	286250		
55	73.4		60.3	90.5
98	45.5		37.9	56.9

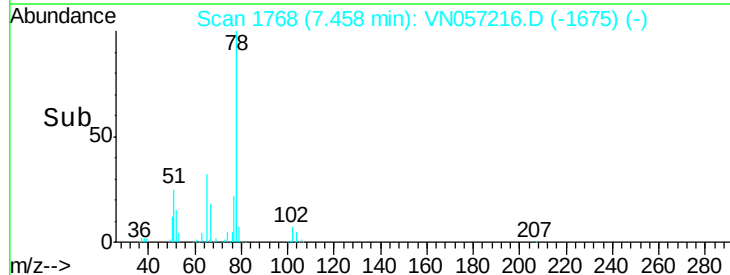
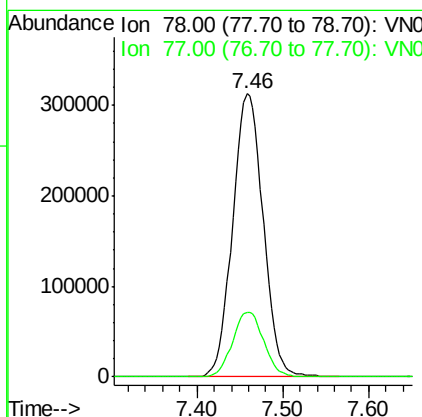
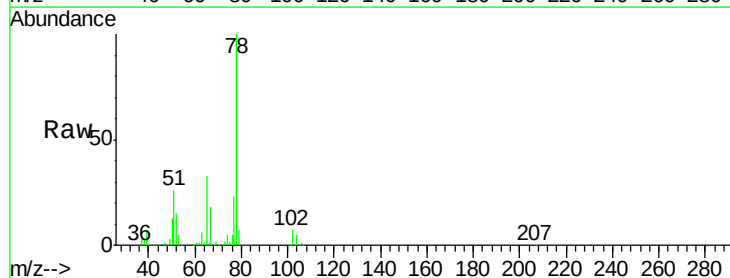
Manual Integrations
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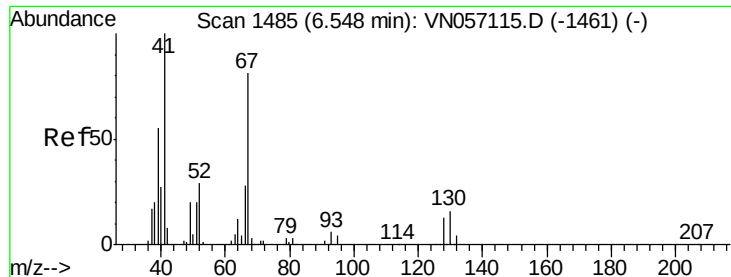
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#40
Benzene
Concen: 19.498 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	771997		
77	22.8		19.2	28.8





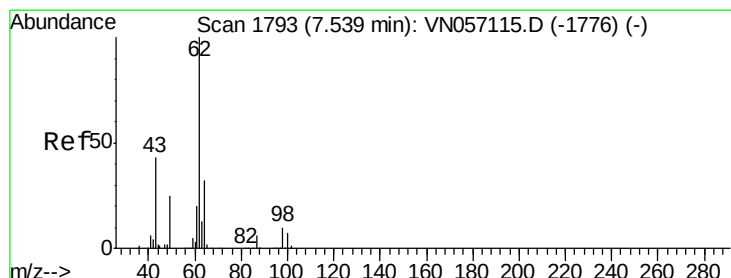
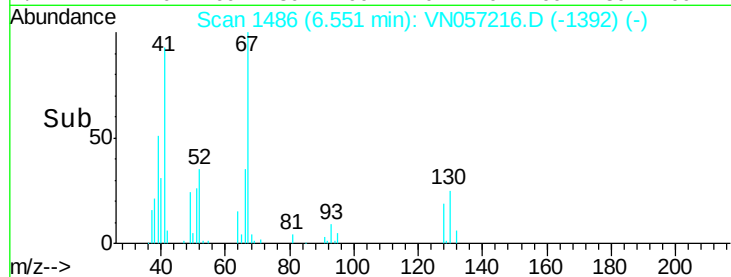
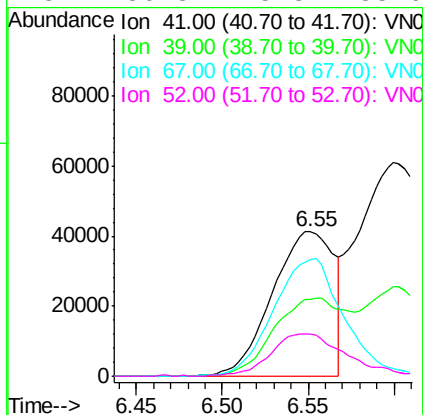
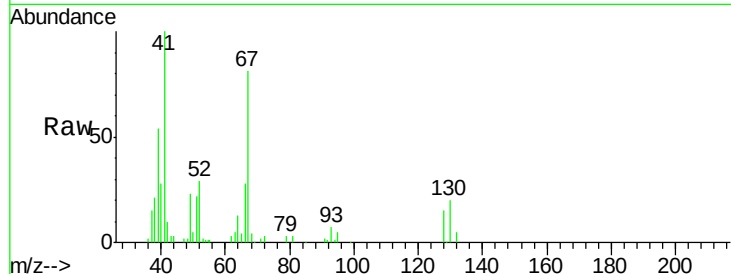
#41
Methacrylonitrile
Concen: 19.627 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	41	Resp	102787
Ion Ratio	Lower	Upper	
41	100		
39	64.1	44.9	67.3
67	93.1	69.1	103.7
52	36.3	25.8	38.6

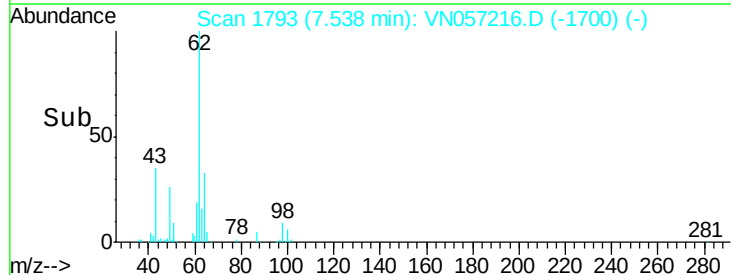
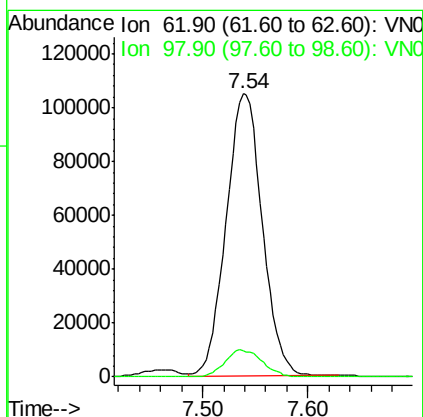
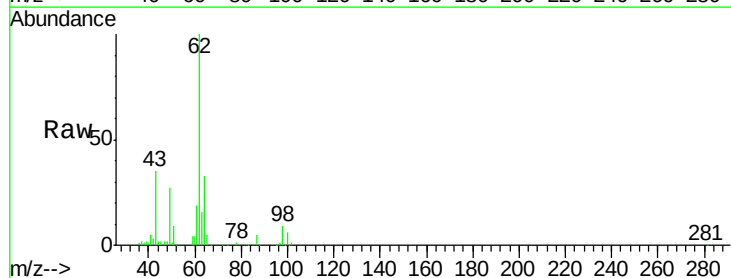
Manual Integrations
APPROVED

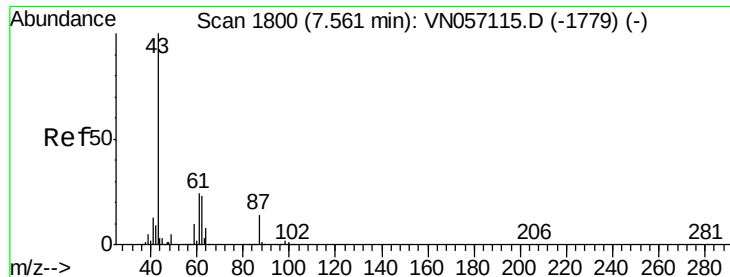
MMDadoda
8/14/2019 9:23:53 AM



#42
1,2-Dichloroethane
Concen: 19.742 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	62	Resp	249279
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.798 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

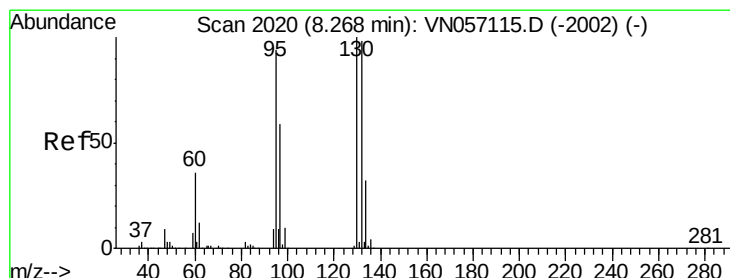
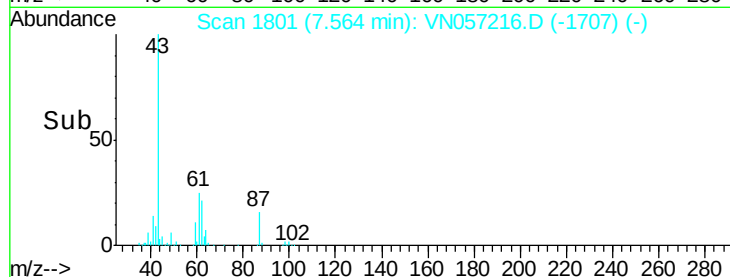
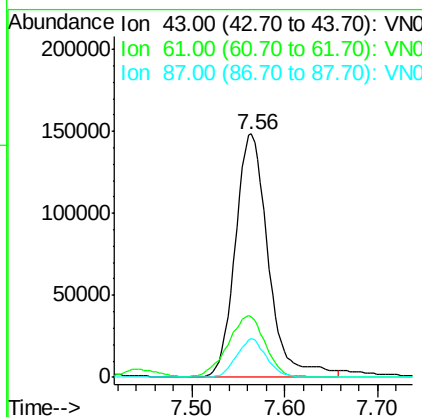
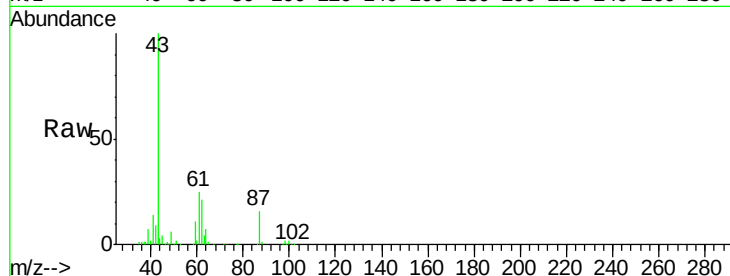
ClientSampleId :

VN0812WBS02

Tot Ion:	43	Resp:	365914
Ion	Ratio	Lower	Upper
43	100		
61	28.2	24.2	36.2
87	14.4	11.8	17.8

Manual Integrations
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#44

Trichloroethene

Concen: 19.434 ug/l

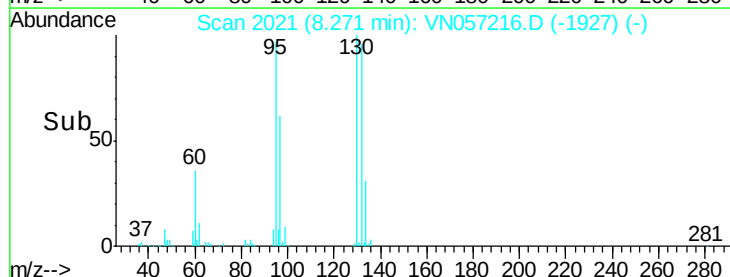
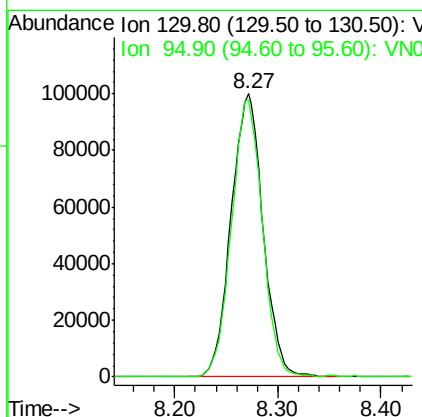
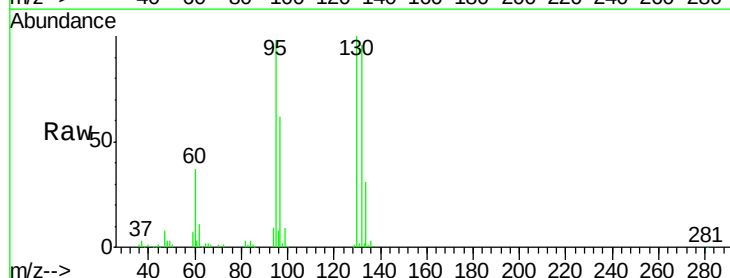
RT: 8.27 min Scan# 2021

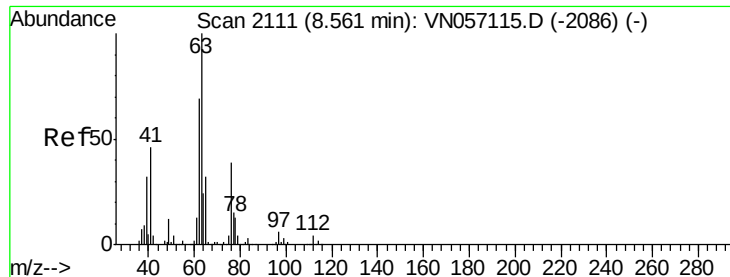
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	130	Resp:	215565
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	187.4





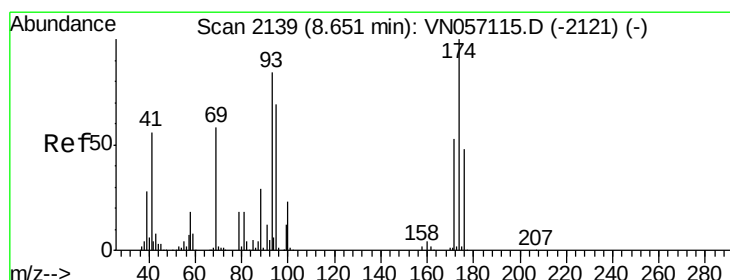
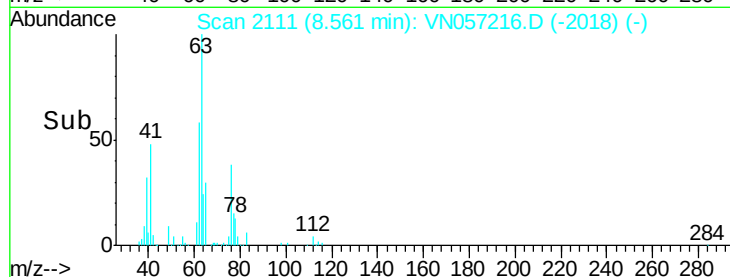
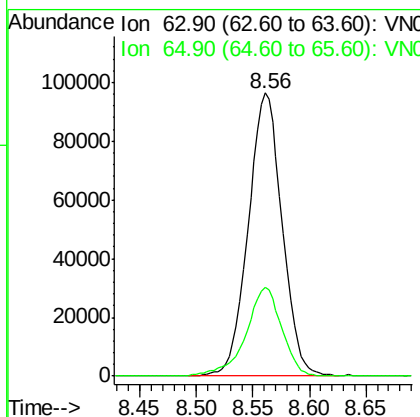
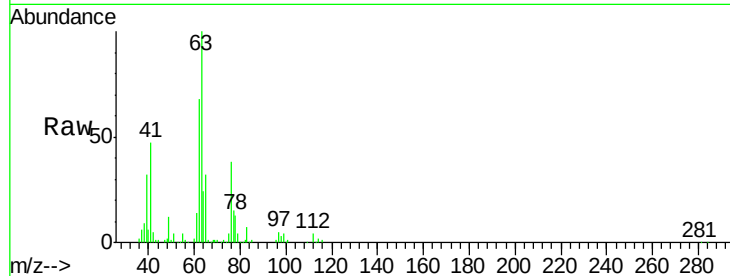
#45
 1,2-Dichloropropane
 Concen: 19.539 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.2	37.8

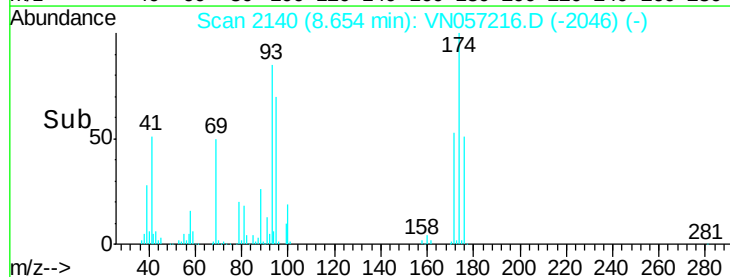
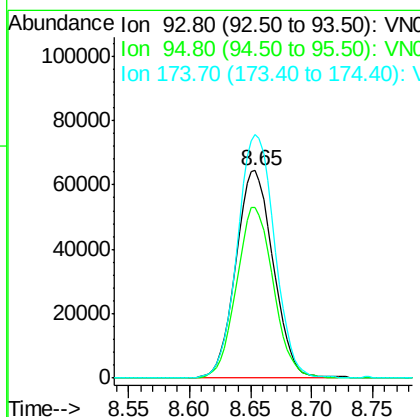
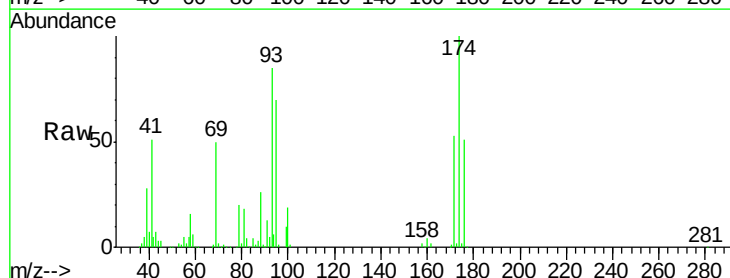
Manual Integrations
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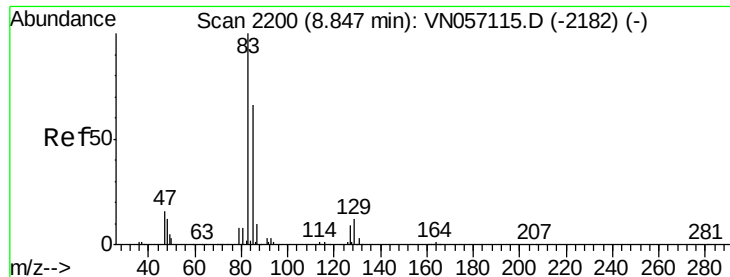
MMDadoda
 8/14/2019 9:23:53 AM



#46
 Dibromomethane
 Concen: 20.848 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	66.0	99.0
174	116.6	96.0	144.0





#47

Bromodichloromethane

Concen: 20.461 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

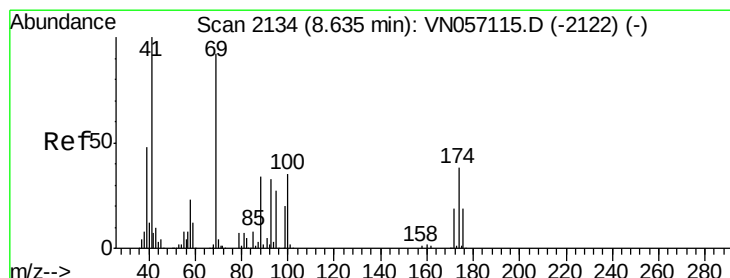
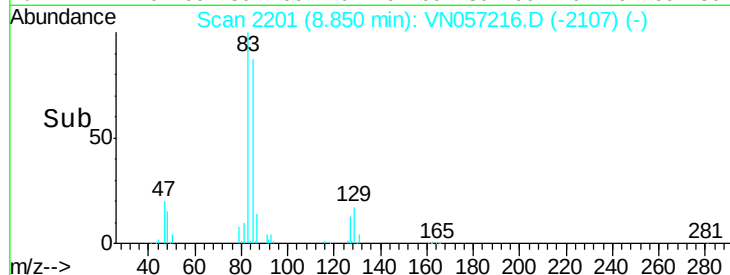
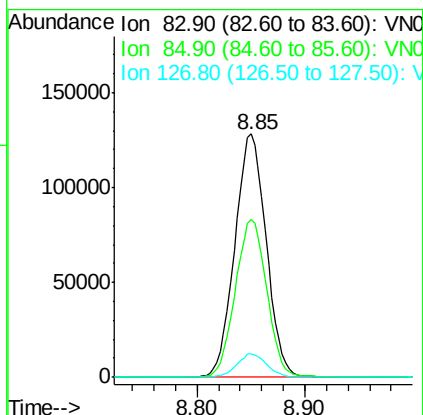
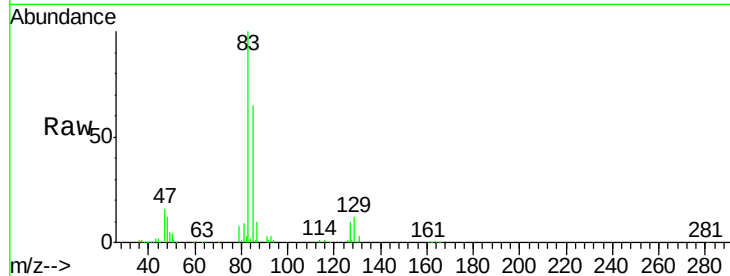
ClientSampleId :

VN0812WBS02

Tot Ion:	83	Resp:	260235
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.6	78.8
127	9.5	7.5	11.3

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 18.790 ug/l

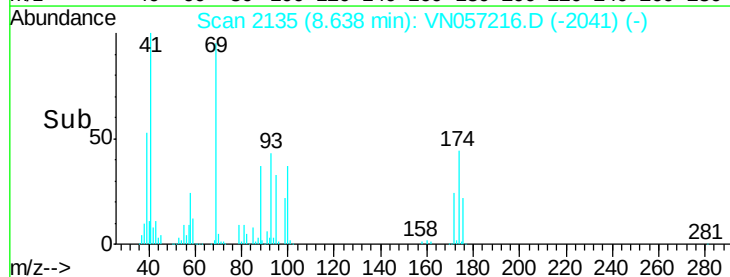
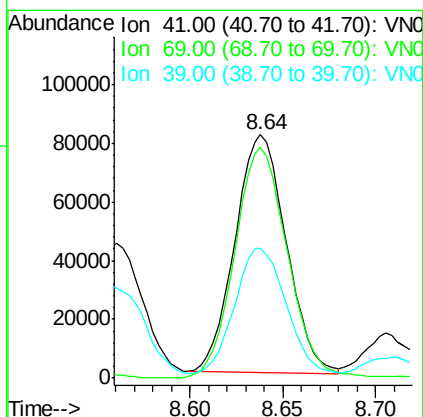
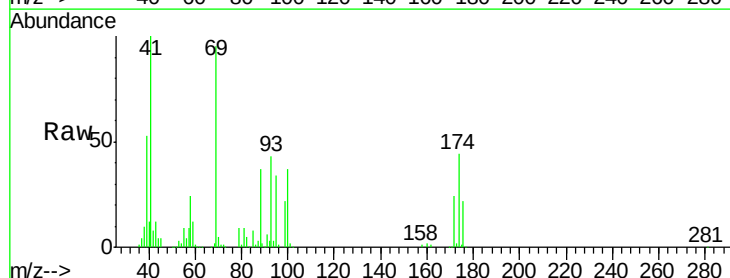
RT: 8.64 min Scan# 2135

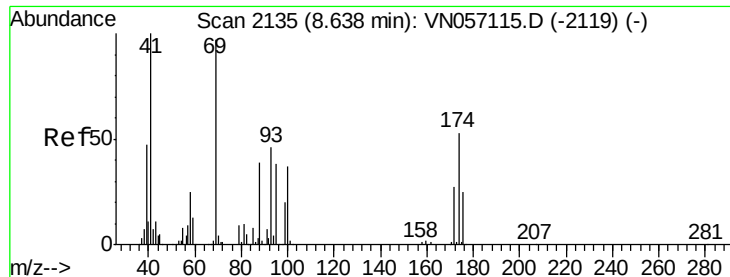
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	41	Resp:	155890
Ion Ratio	Lower	Upper	
41	100		
69	100.1	77.5	116.3
39	52.9	39.8	59.6





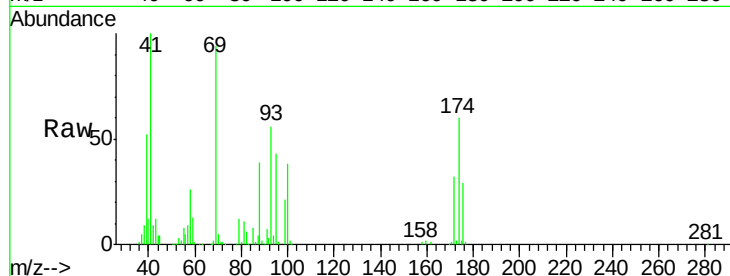
#49
1,4-Dioxane
Concen: 400.688 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.7	32.5
58	65.9	51.1	76.7

Manual Integrations
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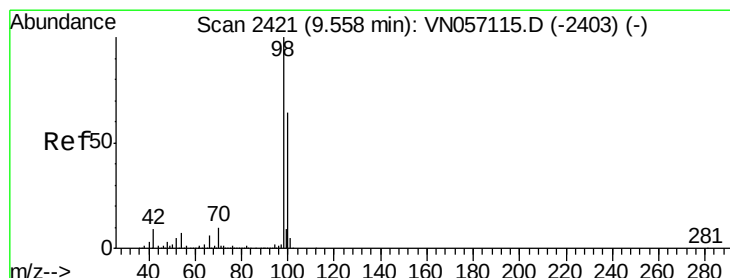
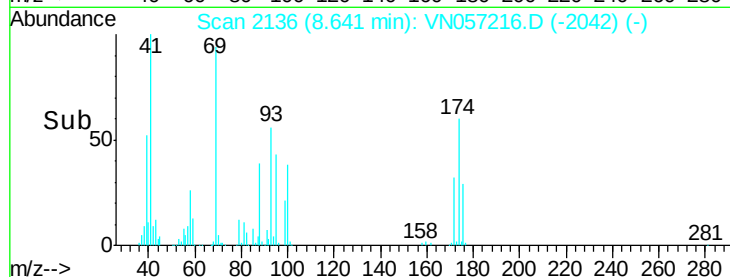
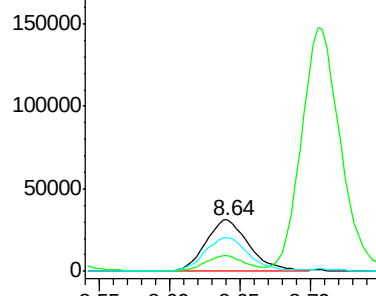


Abundance

Ion 88.00 (87.70 to 88.70): VN057216.D (-2136) (-)

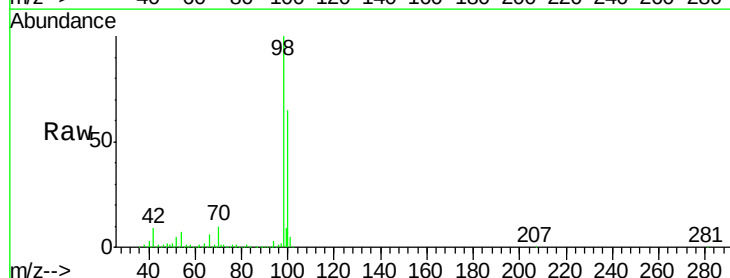
Ion 43.00 (42.70 to 43.70): VN057216.D (-2136) (-)

Ion 58.00 (57.70 to 58.70): VN057216.D (-2136) (-)



#50
Toluene-d8
Concen: 47.557 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

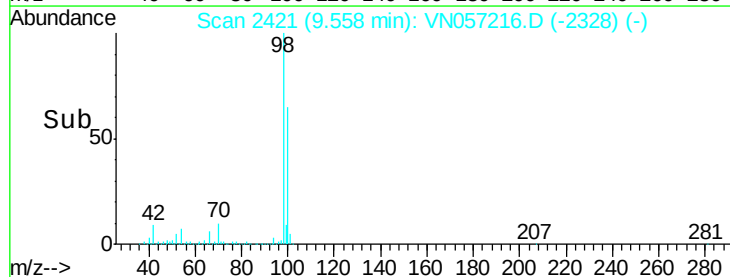
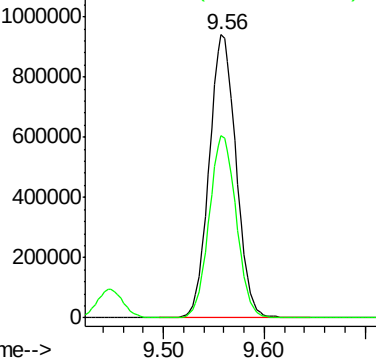
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8

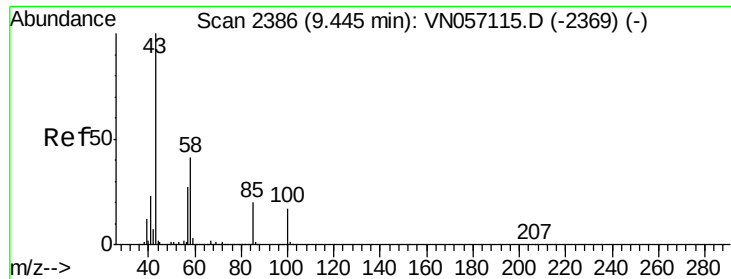


Abundance

Ion 98.00 (97.70 to 98.70): VN057216.D (-2421) (-)

Ion 100.00 (99.70 to 100.70): VN057216.D (-2421) (-)





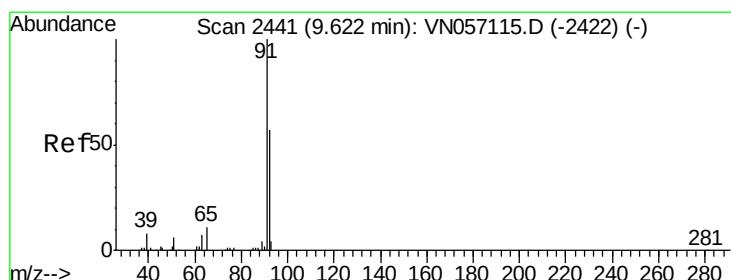
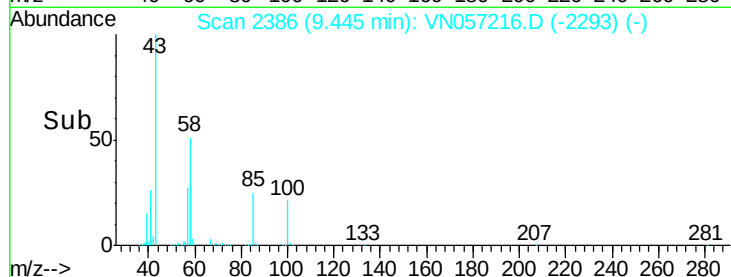
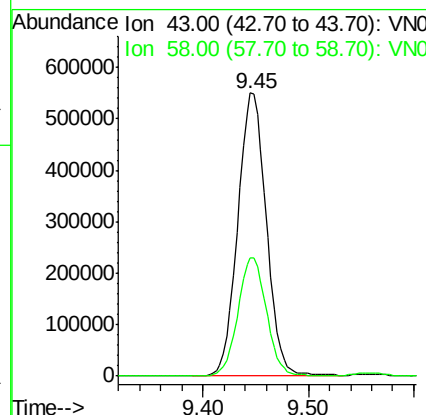
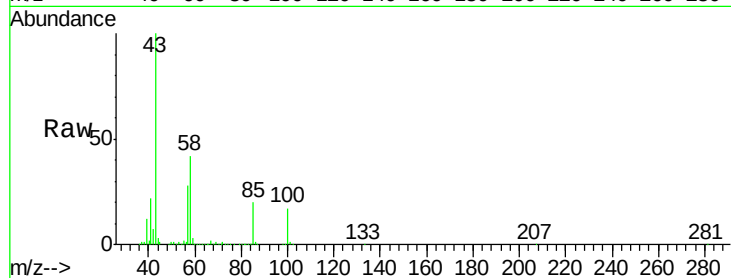
#51
4-Methyl-2-Pentanone
Concen: 100.628 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion: 43 Resp: 1030387
Ion Ratio Lower Upper
43 100
58 42.0 33.2 49.8

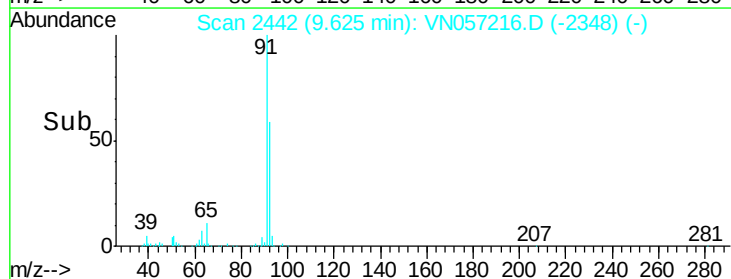
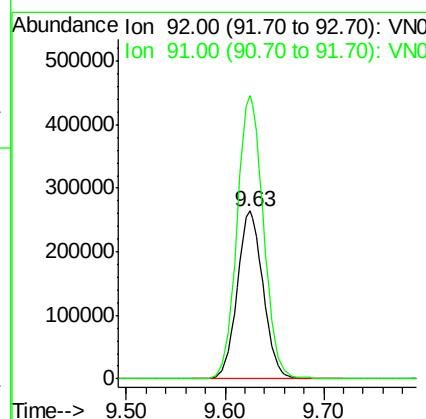
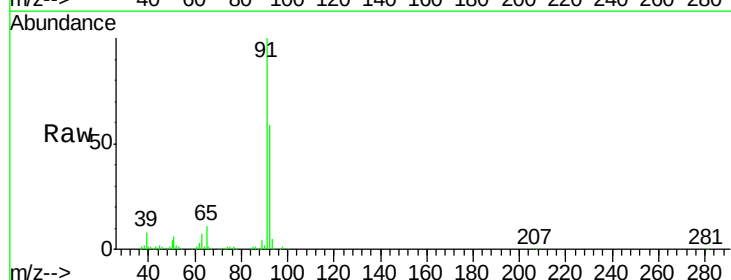
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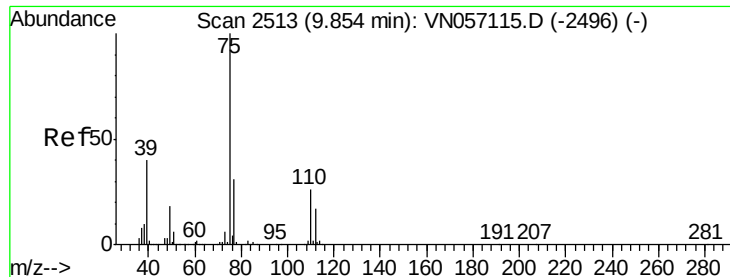
MMDadoda
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#52
Toluene
Concen: 19.545 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion: 92 Resp: 480334
Ion Ratio Lower Upper
92 100
91 172.3 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.489 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion: 75 Resp: 272235

Ion Ratio Lower Upper

75 100

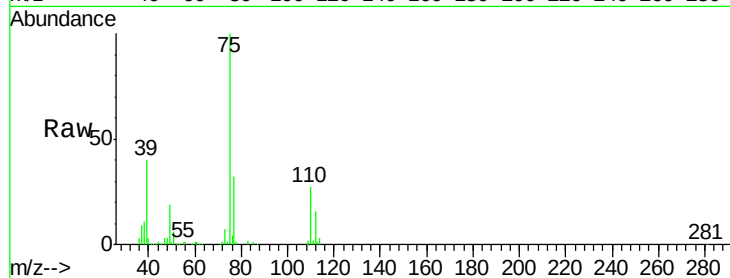
77 31.5 24.8 37.2

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

150000

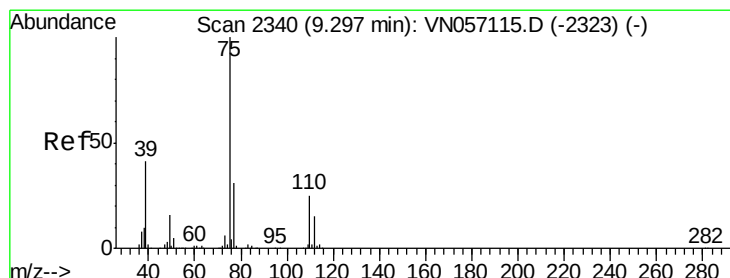
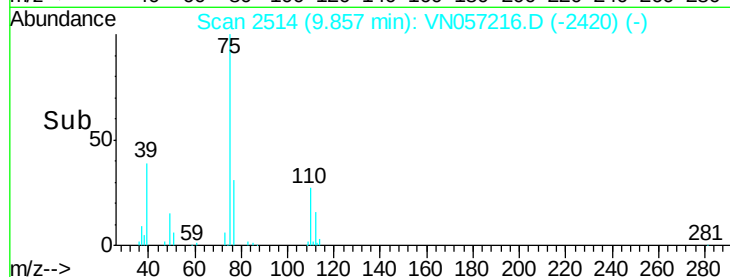
100000

50000

0

9.80 9.90

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.131 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

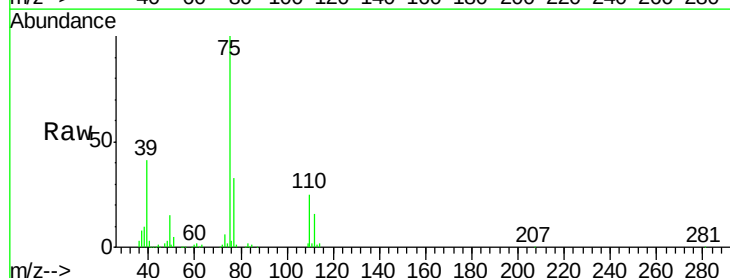
Tgt Ion: 75 Resp: 306934

Ion Ratio Lower Upper

75 100

77 32.9 25.1 37.7

39 41.4 32.5 48.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

150000

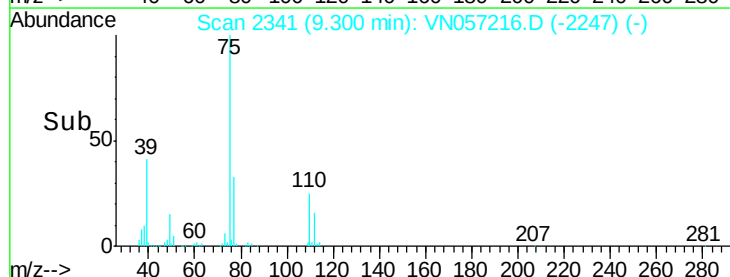
100000

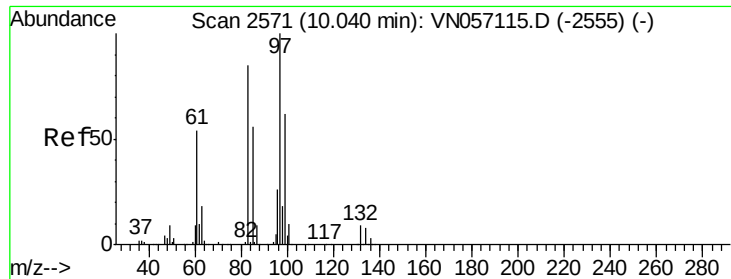
50000

0

9.20 9.25 9.30 9.35

Time-->





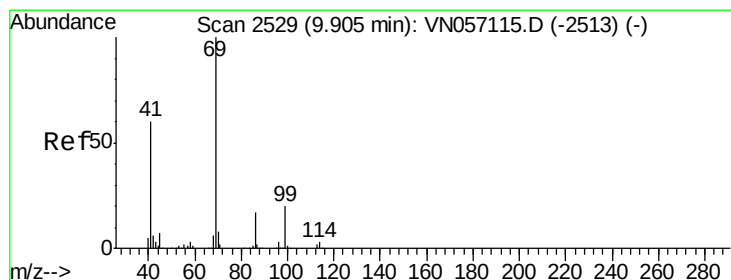
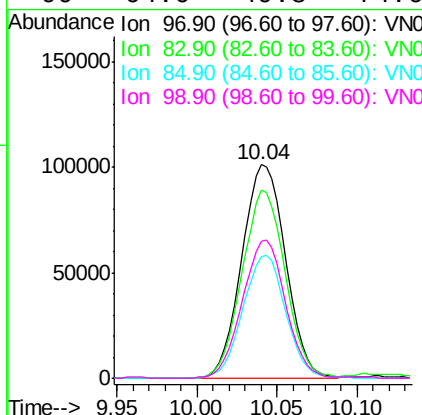
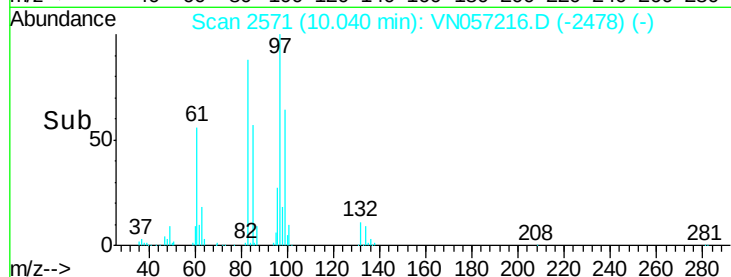
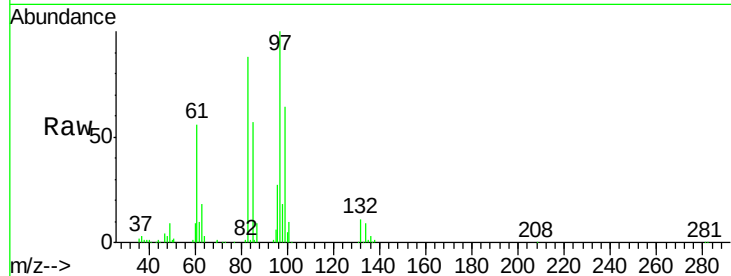
#55
 1,1,2-Trichloroethane
 Concen: 19.623 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		189639		
83	88.3	67.8	101.8		
85	56.8	44.4	66.6		
99	64.0	49.8	74.6		

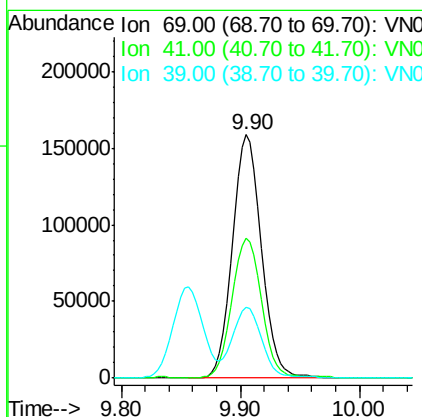
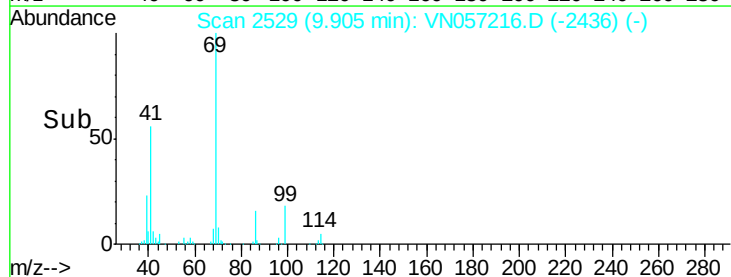
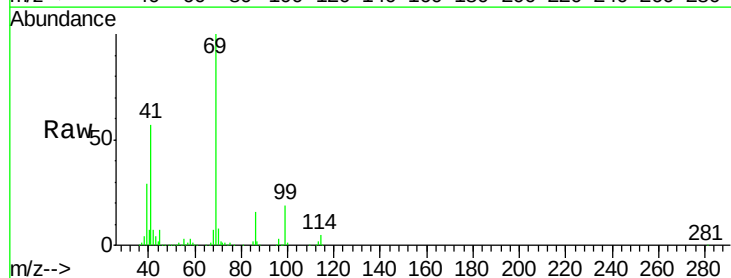
Manual Integrations
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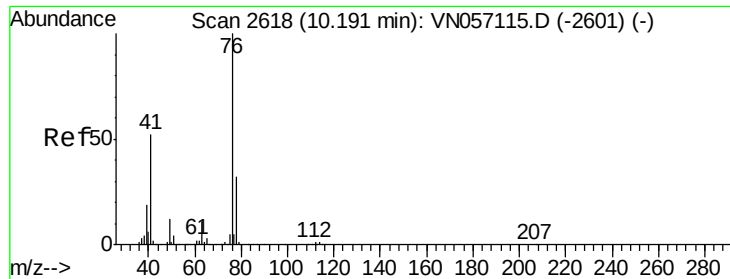
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 8/14/2019 9:23:53 AM



#56
 Ethyl methacrylate
 Concen: 19.843 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		268503		
41	58.6	48.1	72.1		
39	28.6	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 20.118 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion: 76 Resp: 320624

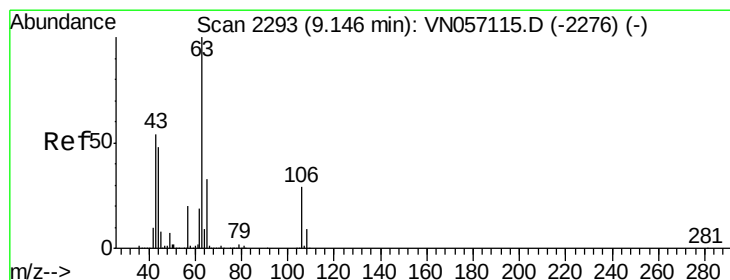
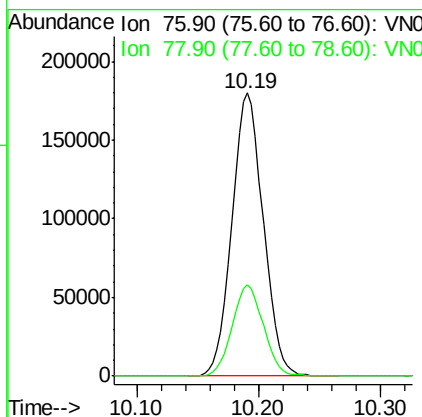
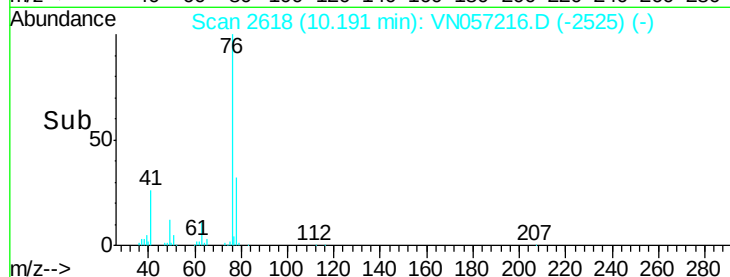
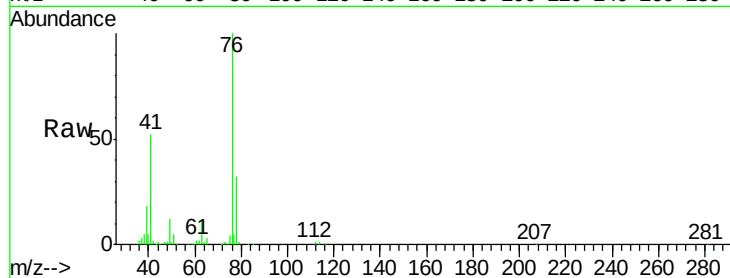
Ion Ratio Lower Upper

76 100

78 32.2 25.9 38.9

Manual Integrations
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MMDadoda
8/14/2019 9:23:53 AM



#58

2-Chloroethyl Vinyl ether

Concen: 67.322 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VN057216.D

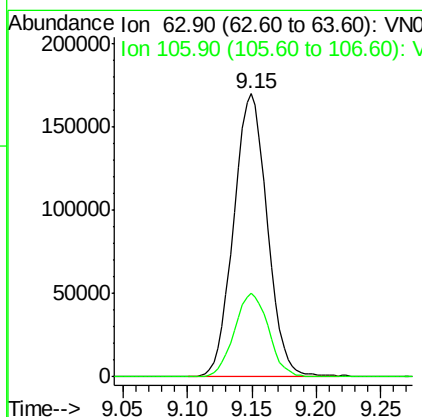
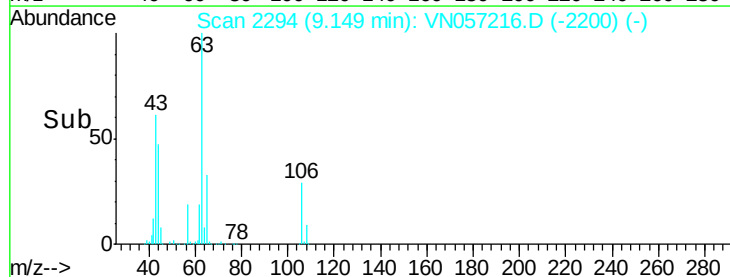
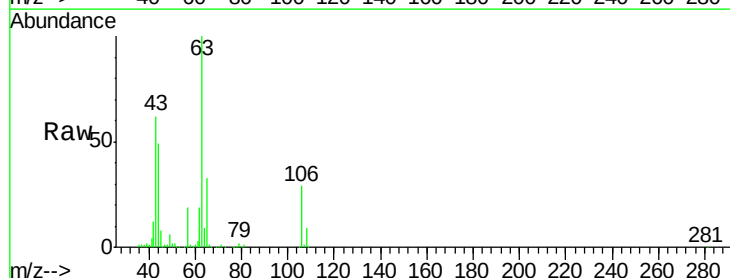
Acq: 12 Aug 2019 15:37

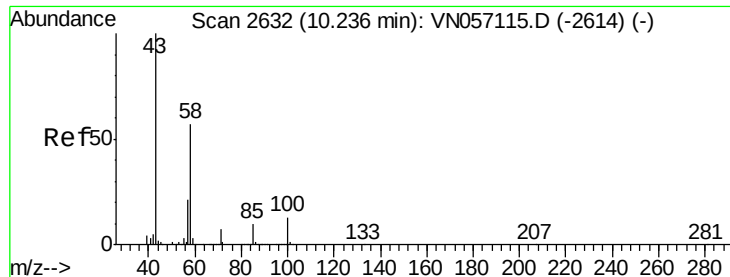
Tgt Ion: 63 Resp: 308672

Ion Ratio Lower Upper

63 100

106 30.1 22.6 33.8





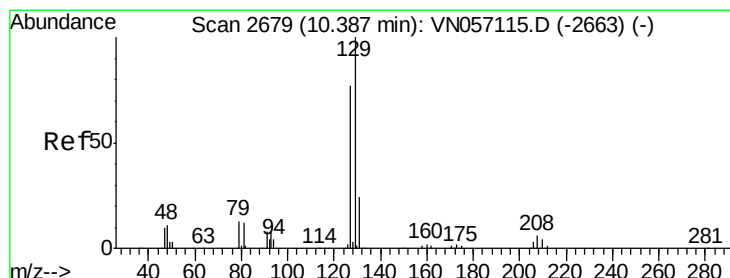
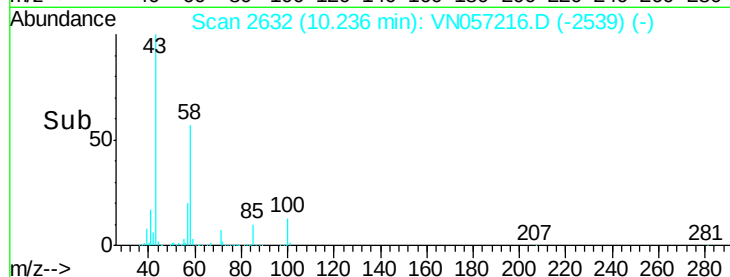
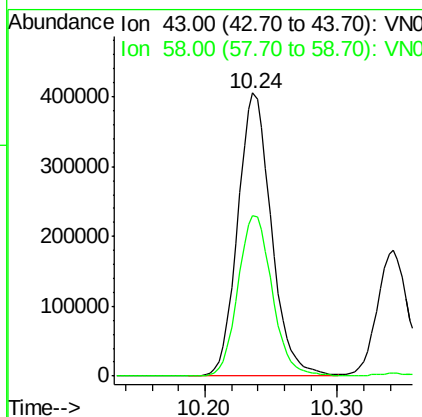
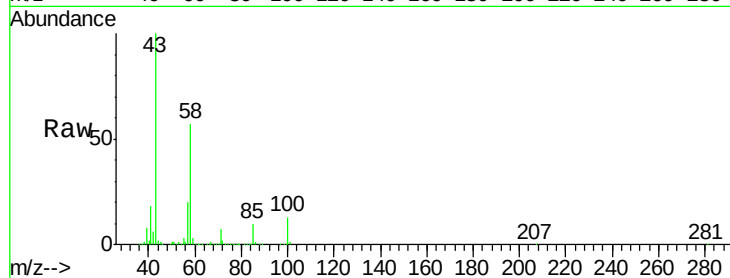
#59
2-Hexanone
Concen: 102.900 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion: 43 Resp: 713102
Ion Ratio Lower Upper
43 100
58 57.9 29.2 87.6

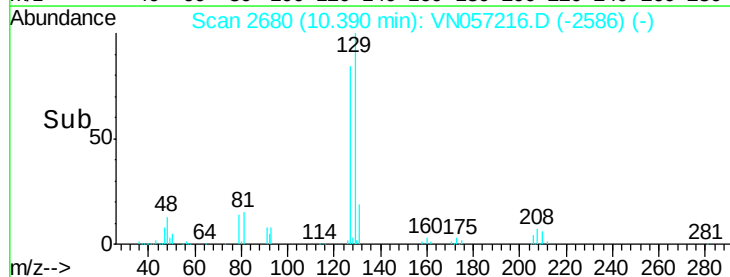
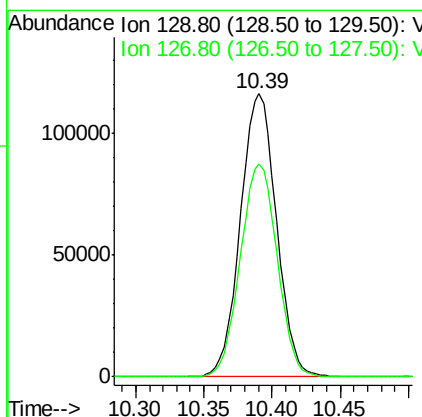
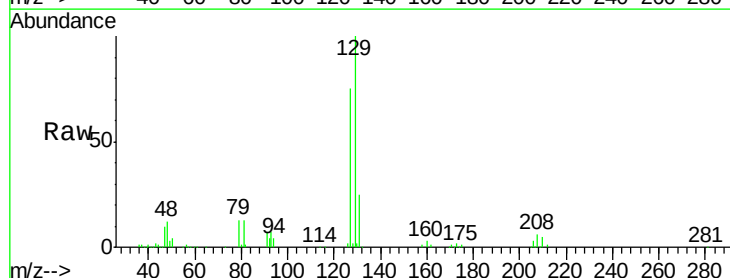
Manual Integrations
APPROVED

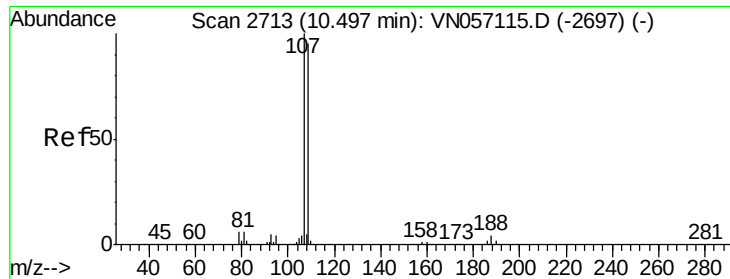
MMDadoda
8/14/2019 9:23:53 AM



#60
Dibromochloromethane
Concen: 21.058 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion: 129 Resp: 213737
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.077 ug/l

RT: 10.50 min Scan# 2714

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion: 107 Resp: 200225

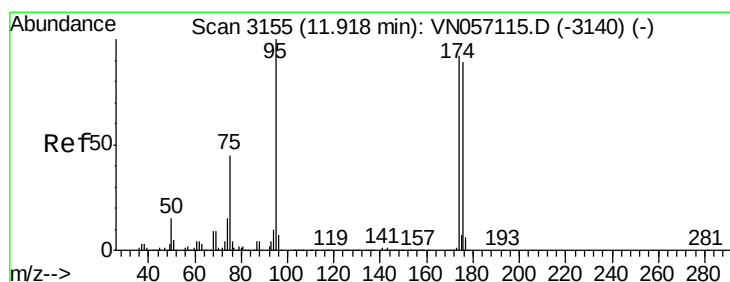
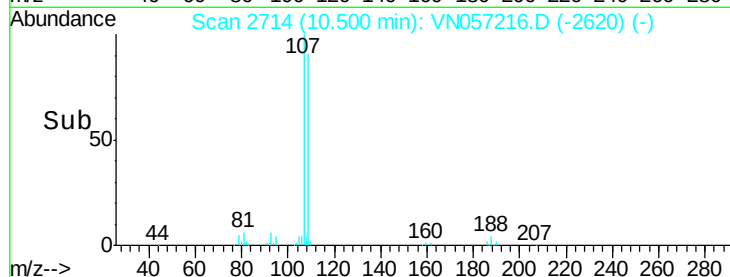
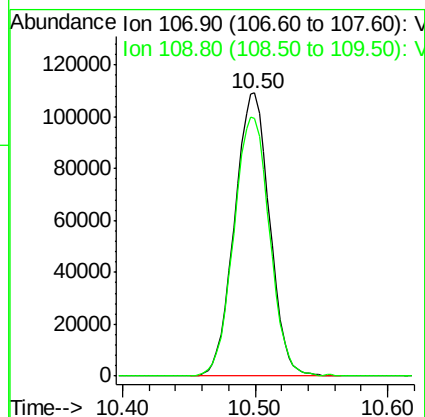
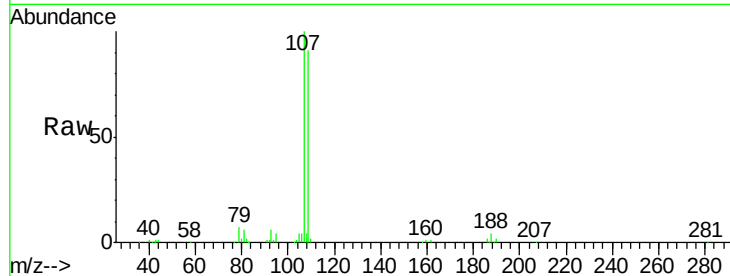
Ion Ratio Lower Upper

107 100

109 93.6 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 46.382 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

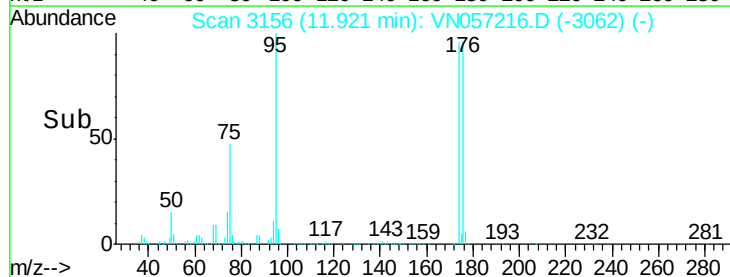
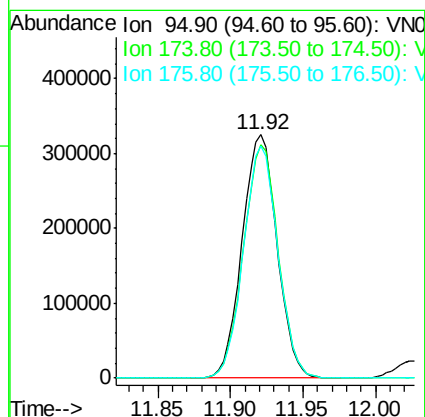
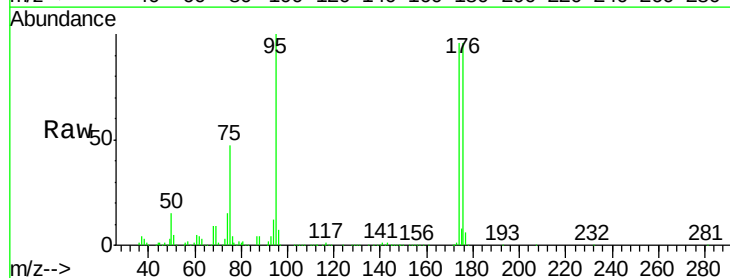
Tgt Ion: 95 Resp: 544993

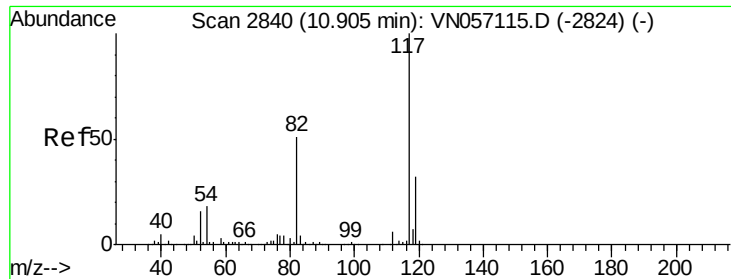
Ion Ratio Lower Upper

95 100

174 95.7 0.0 185.0

176 94.3 0.0 181.2





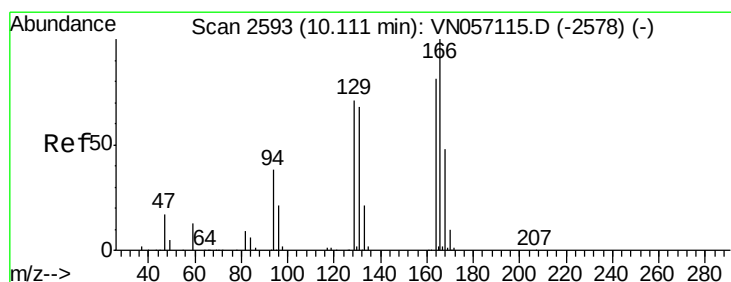
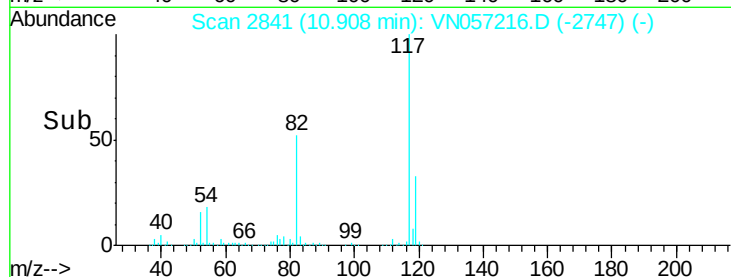
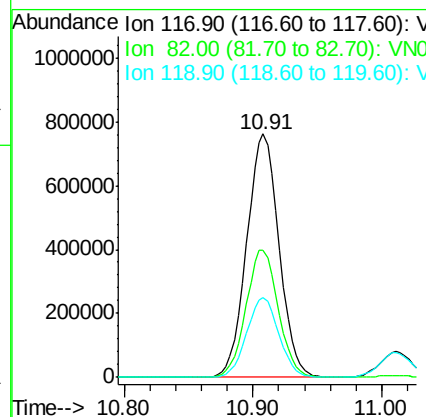
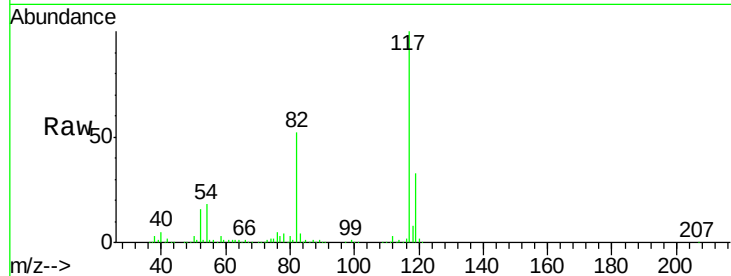
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	40.8	61.2
119	32.8	25.7	38.5

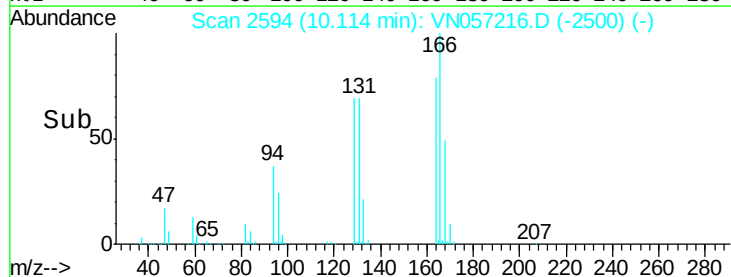
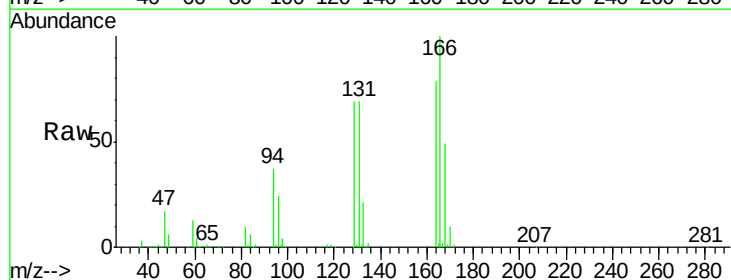
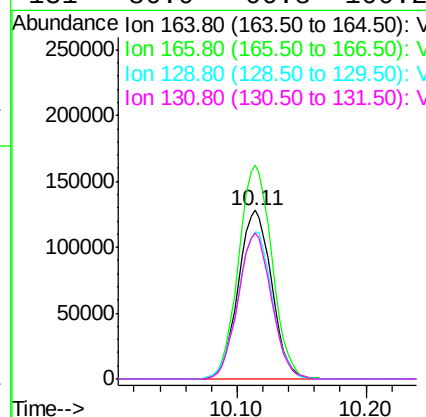
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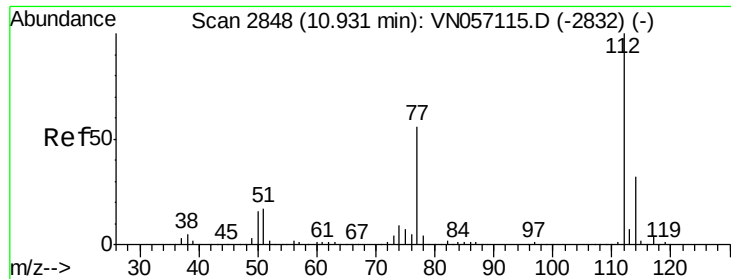
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#64
Tetrachloroethene
Concen: 20.904 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	98.3	147.5
129	87.6	69.8	104.6
131	86.9	66.8	100.2





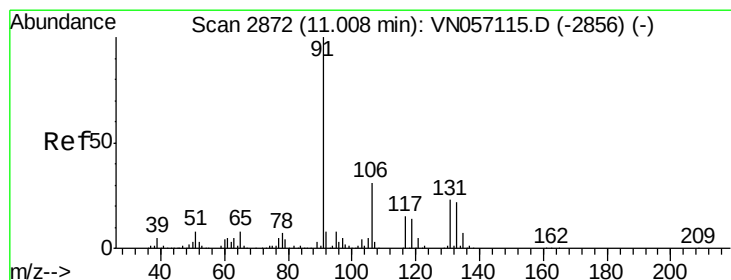
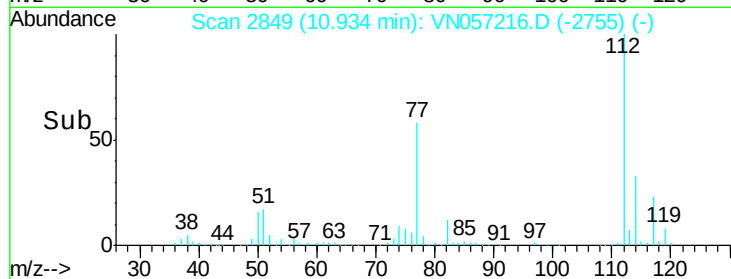
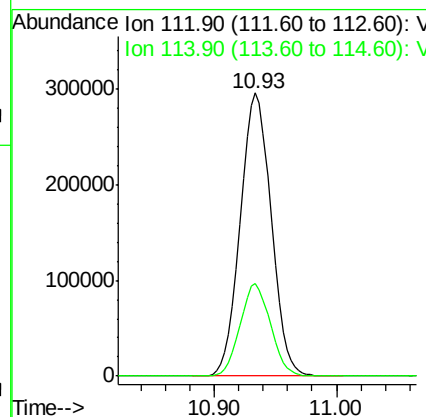
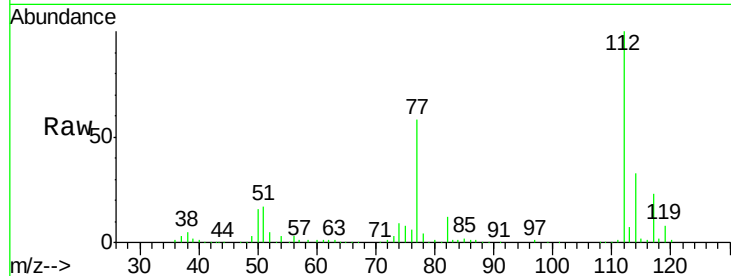
#65
Chlorobenzene
Concen: 19.376 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.4	38.2

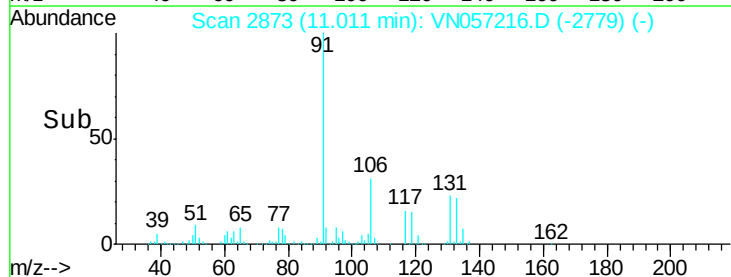
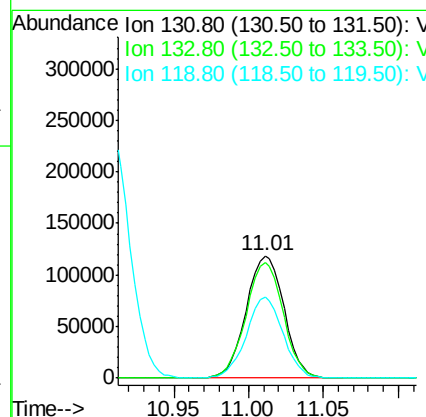
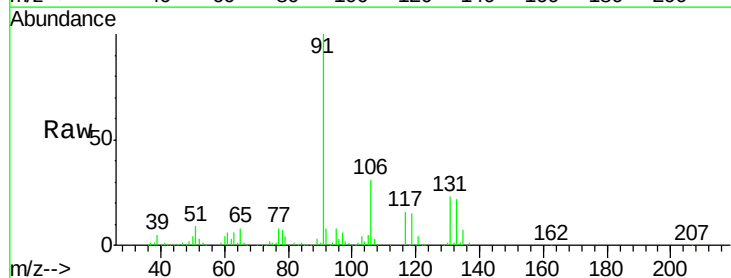
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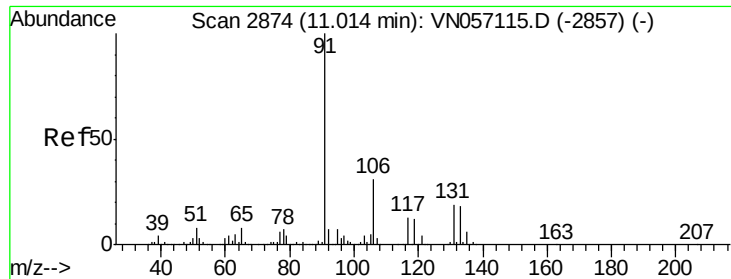
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.873 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.6	142.8
119	64.5	32.6	97.7





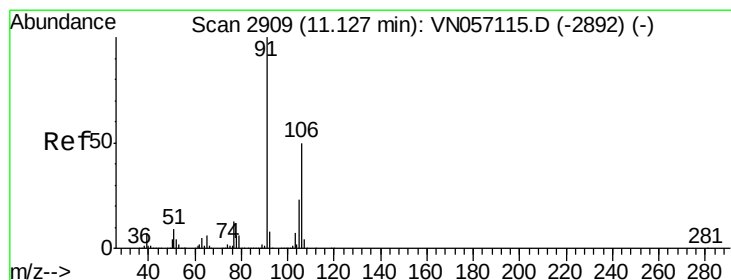
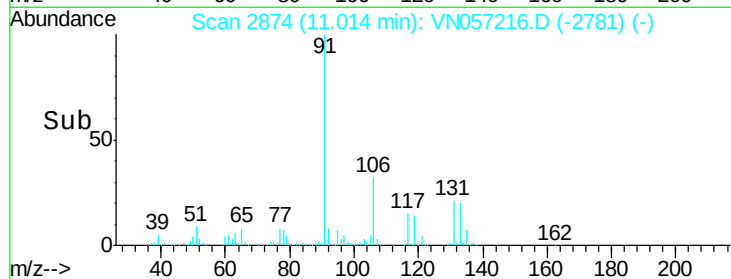
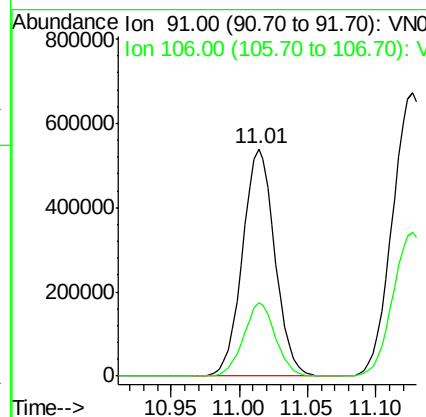
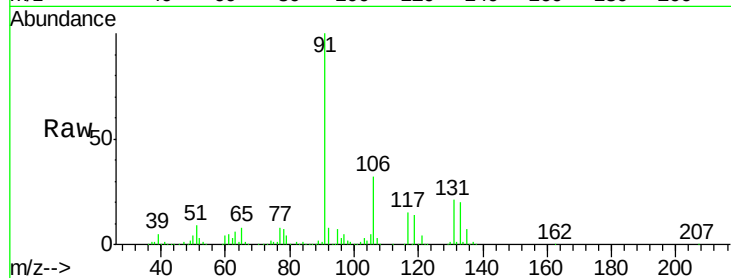
#67
Ethyl Benzene
Concen: 19.272 ug/l
RT: 11.01 min Scan# 2874
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.0	37.4

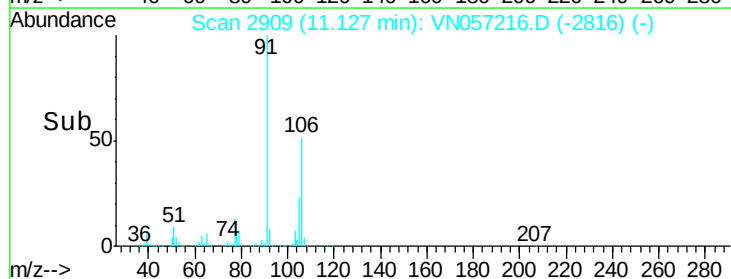
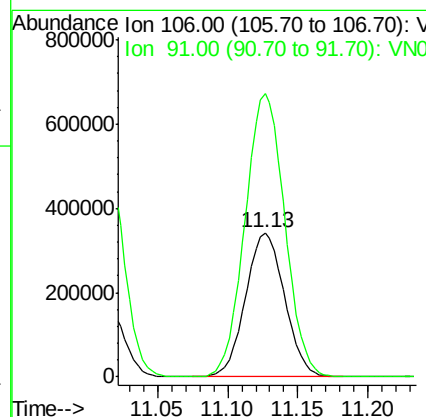
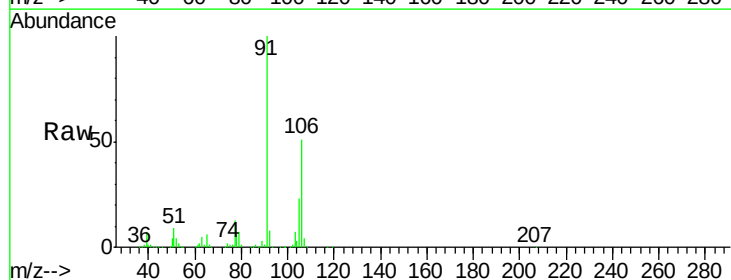
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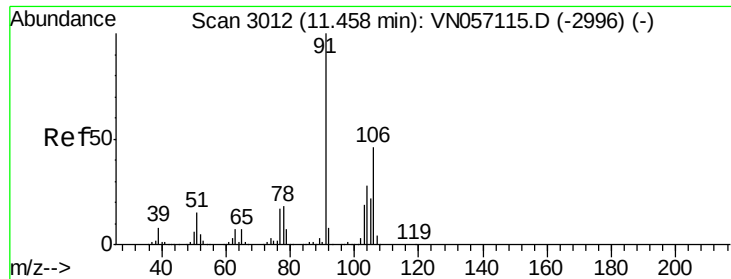
MMDadoda
8/14/2019 9:23:53 AM



#68
m/p-Xylenes
Concen: 39.080 ug/l
RT: 11.13 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.0	159.8	239.8





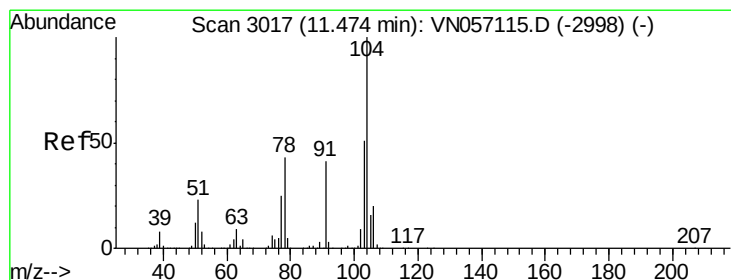
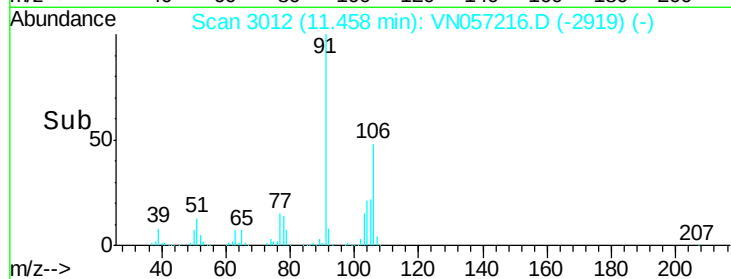
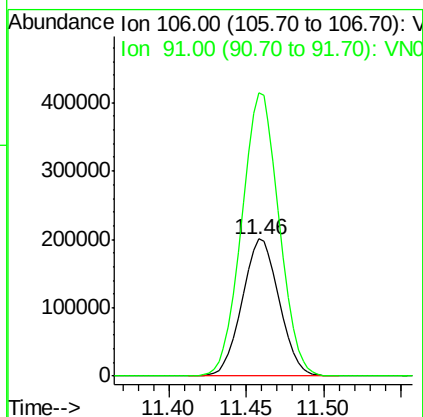
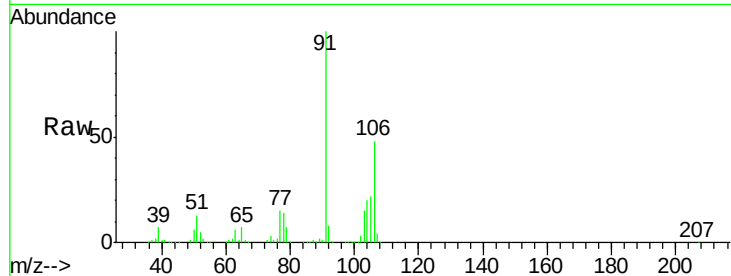
#69
o-Xylene
Concen: 19.837 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		334690		
91	208.2	106.8	320.5		

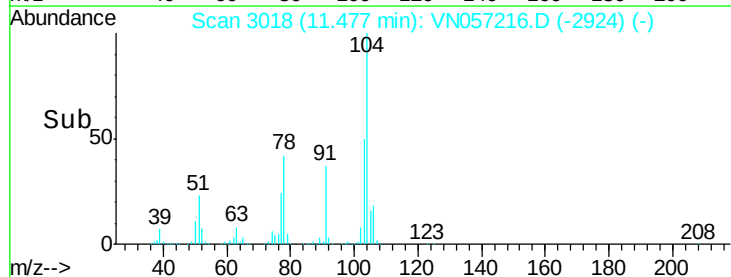
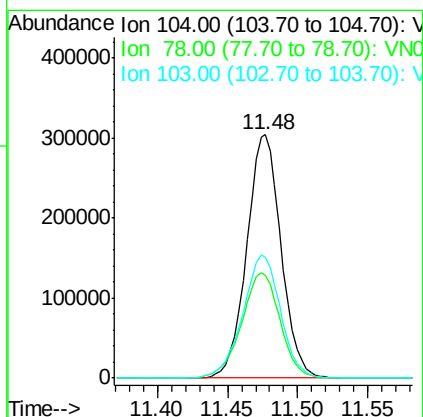
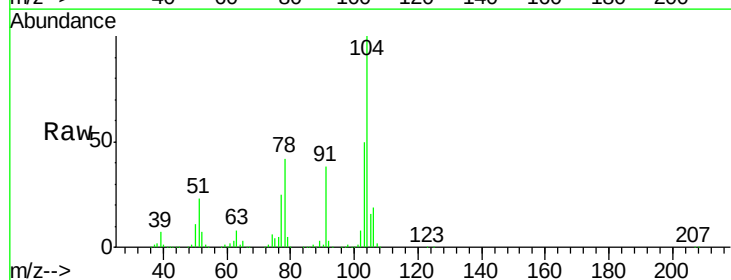
Manual Integrations
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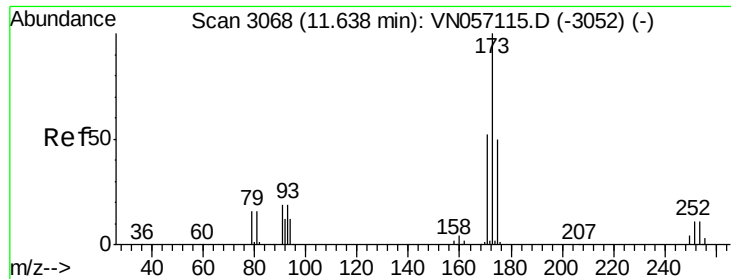
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#70
Styrene
Concen: 19.626 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		517193		
78	48.4	38.5	57.7		
103	55.8	44.6	66.8		





#71

Bromoform

Concen: 21.113 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

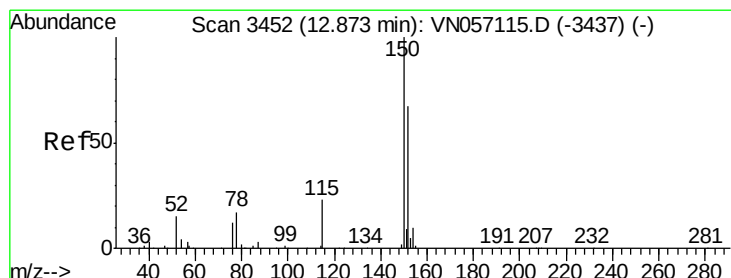
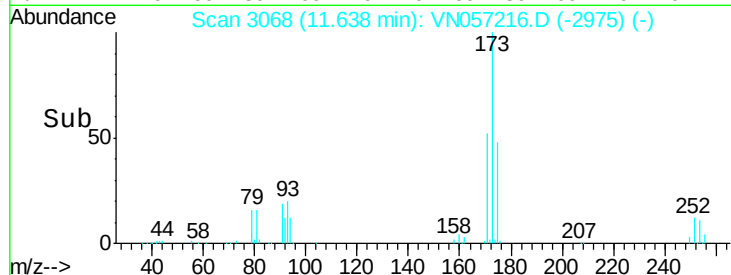
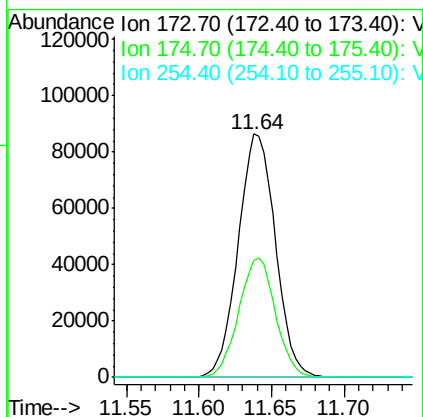
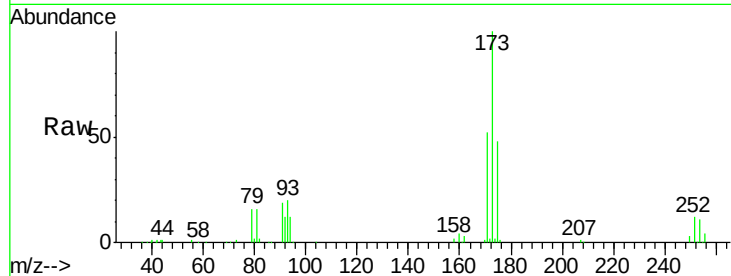
ClientSampleId :

VN0812WBS02

Tot Ion:	173	Resp:	154585
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.6	73.8
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

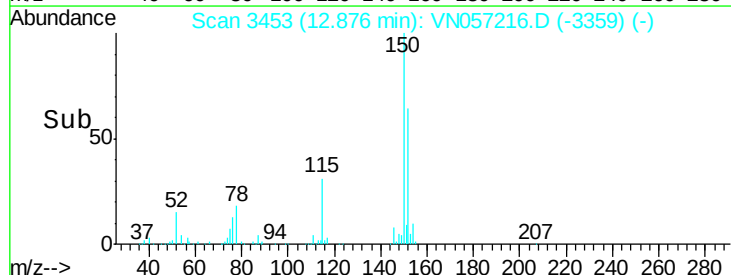
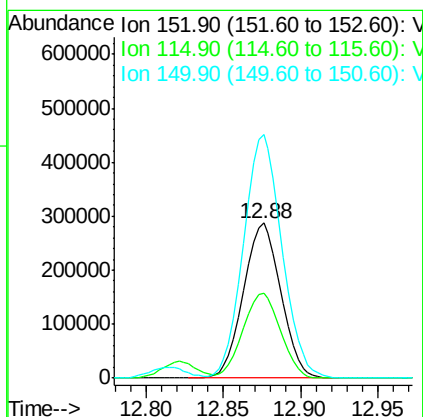
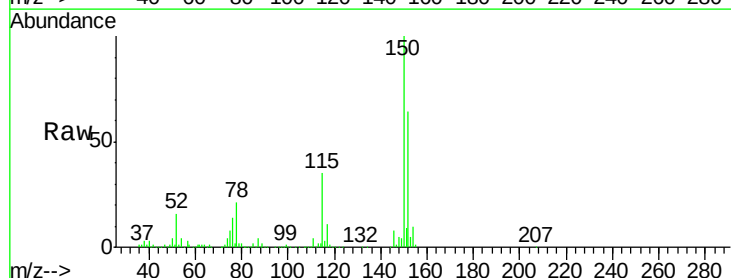
RT: 12.88 min Scan# 3453

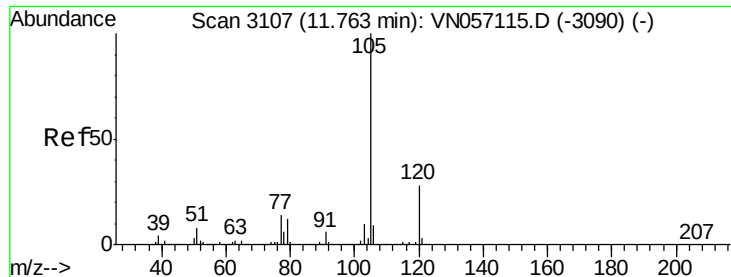
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	152	Resp:	483921
Ion Ratio	Lower	Upper	
152	100		
115	55.1	27.5	82.5
150	161.1	0.0	341.6





#73

Isopropylbenzene

Concen: 20.610 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion:105 Resp: 873475

Ion Ratio Lower Upper

105 100

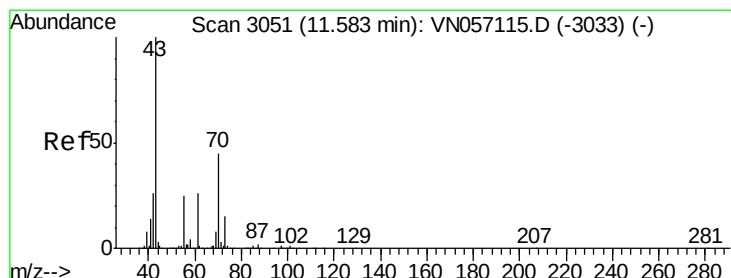
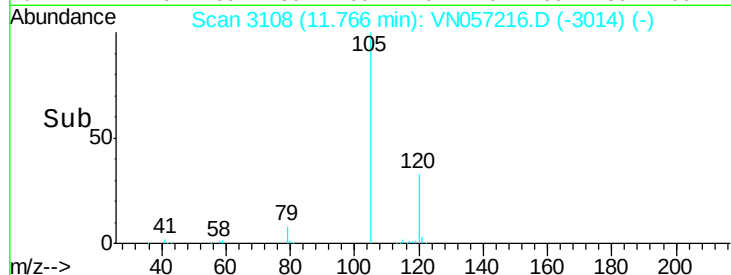
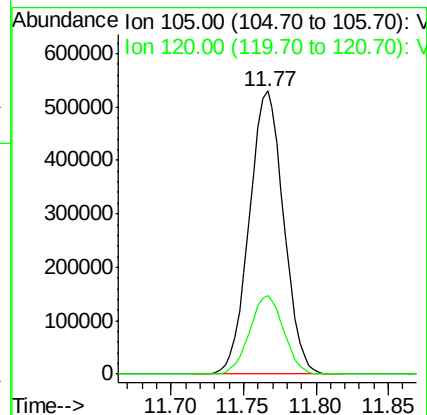
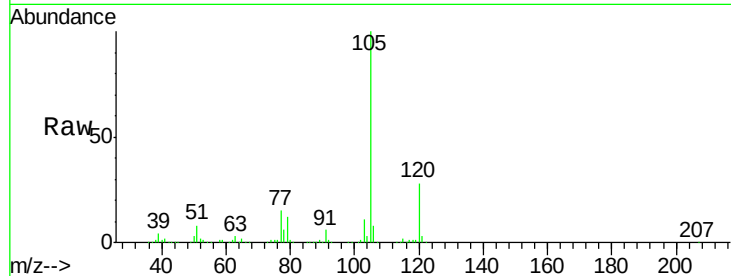
120 27.5 13.7 41.0

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#74

N-ethyl acetate

Concen: 19.836 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion: 43 Resp: 243248

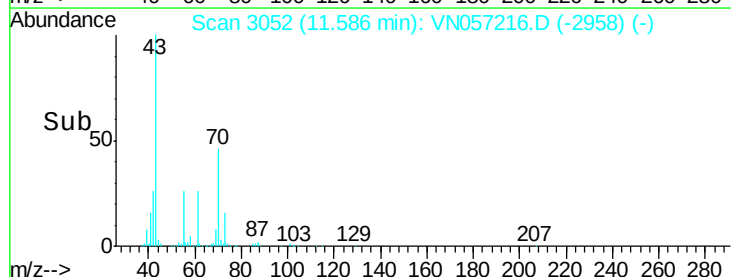
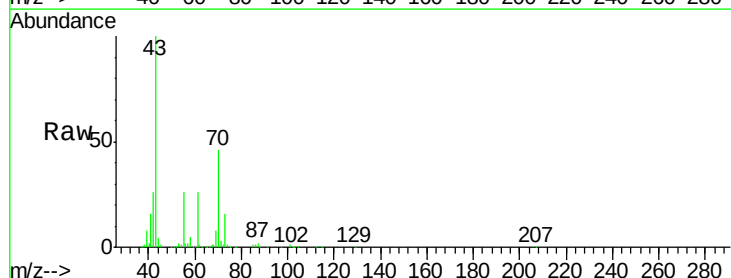
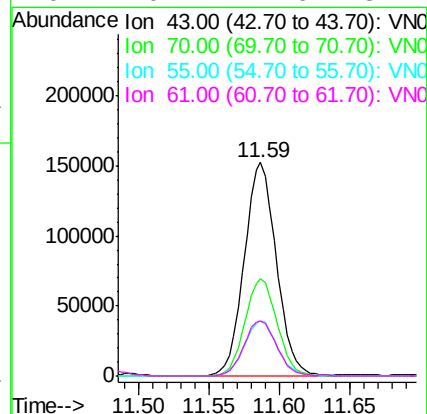
Ion Ratio Lower Upper

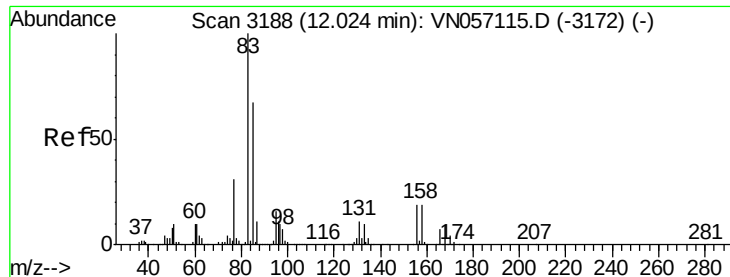
43 100

70 45.9 36.8 55.2

55 26.2 20.6 31.0

61 26.2 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.121 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

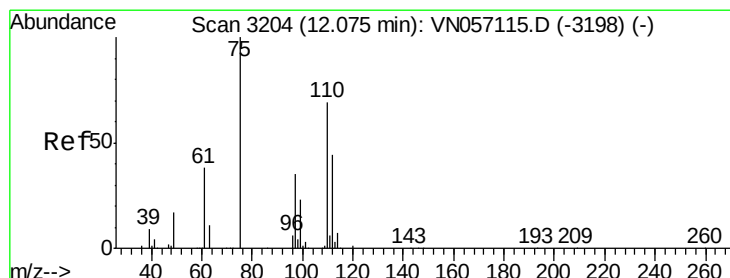
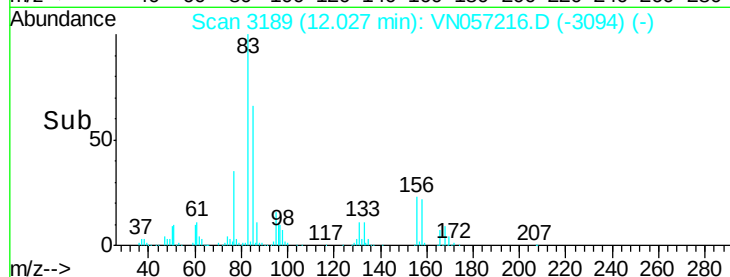
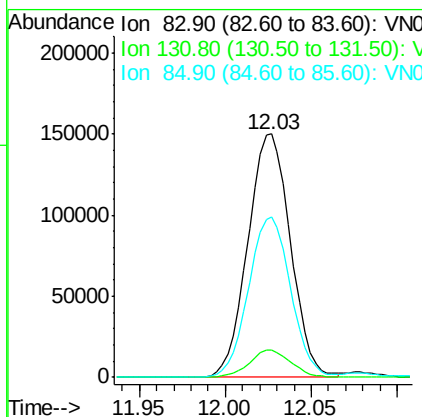
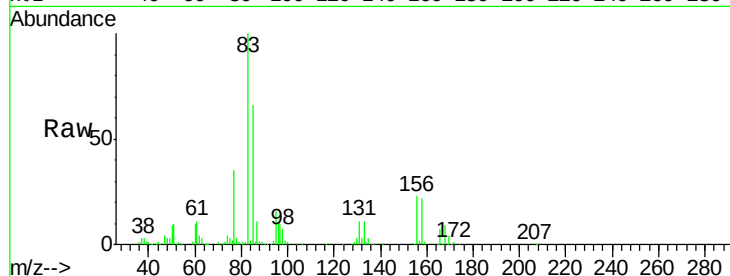
ClientSampleId :

VN0812WBS02

Tot Ion:	83	Resp:	258266
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	65.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.340 ug/l m

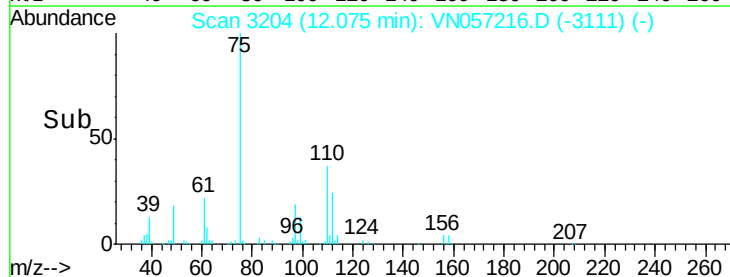
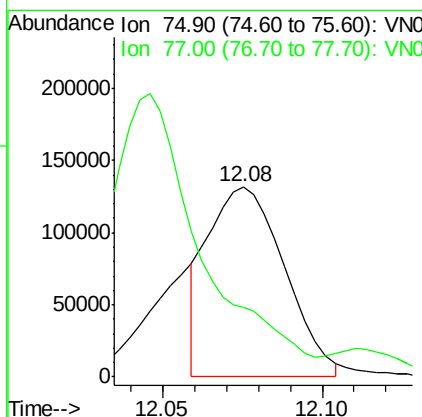
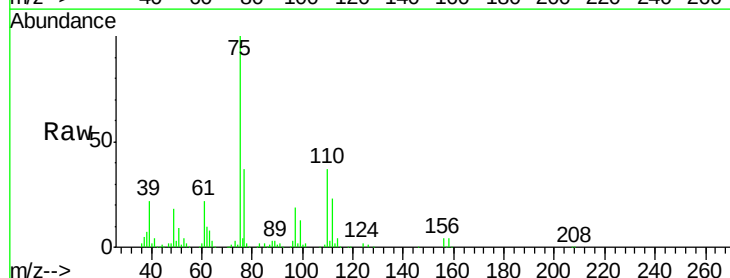
RT: 12.08 min Scan# 3204

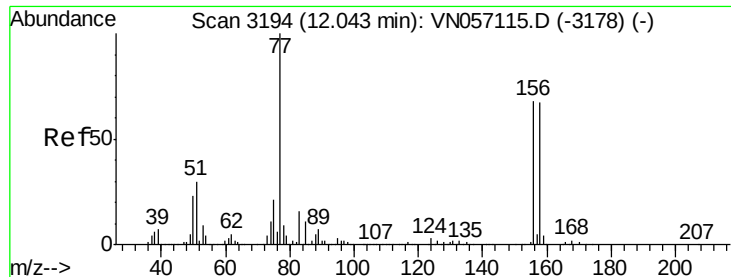
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	75	Resp:	217622
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.664 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

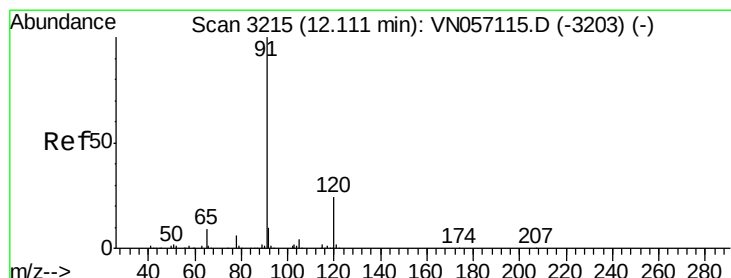
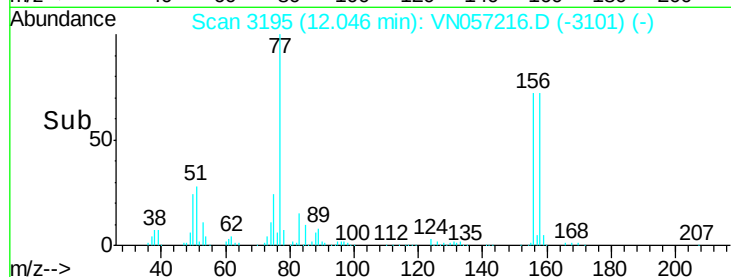
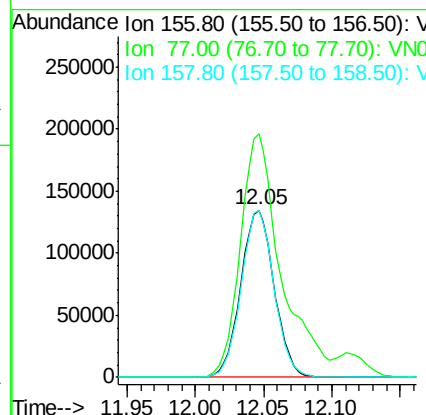
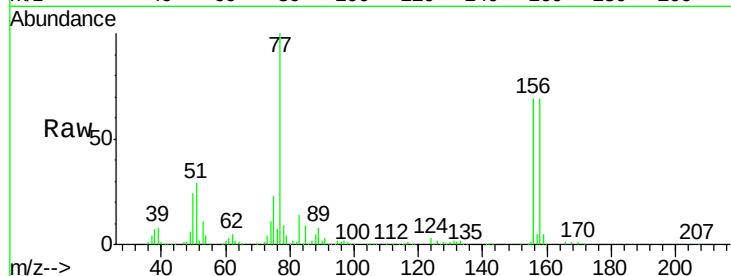
ClientSampleId :

VN0812WBS02

Tot Ion:	156	Resp:	228723
Ion Ratio	Lower	Upper	
156	100		
77	176.8	88.7	266.1
158	98.3	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.806 ug/l

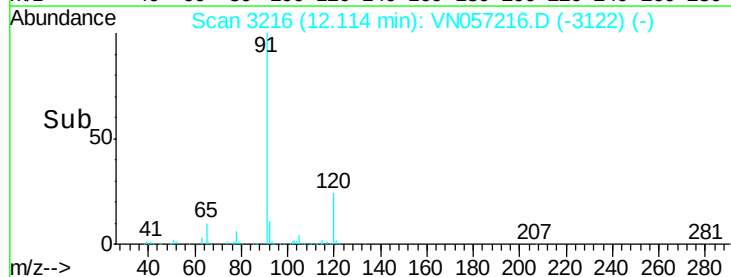
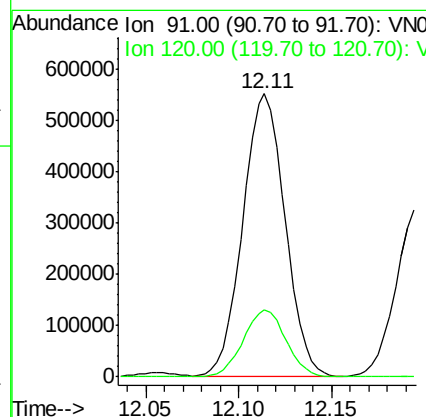
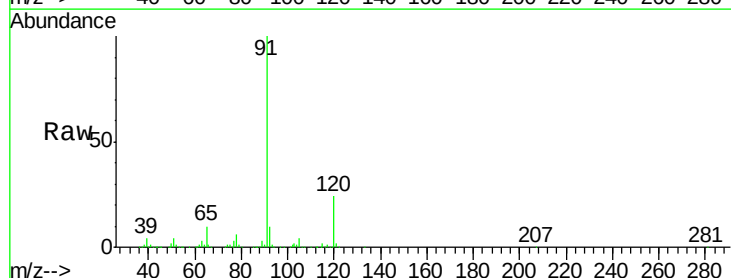
RT: 12.11 min Scan# 3216

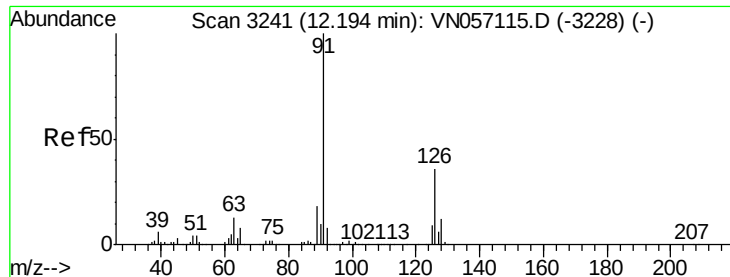
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	91	Resp:	873084
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





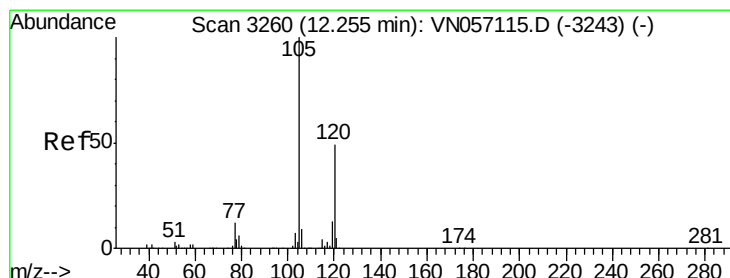
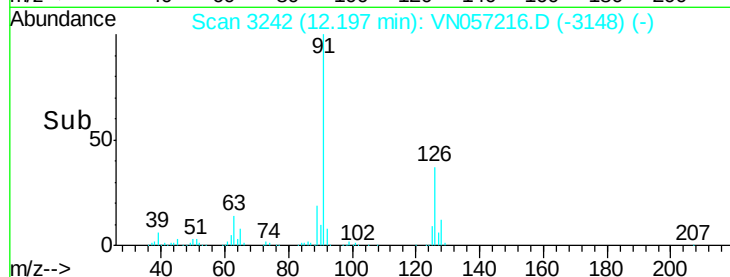
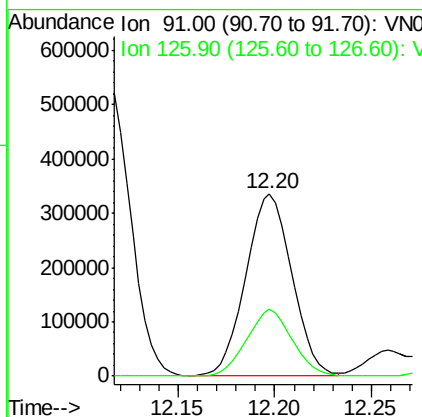
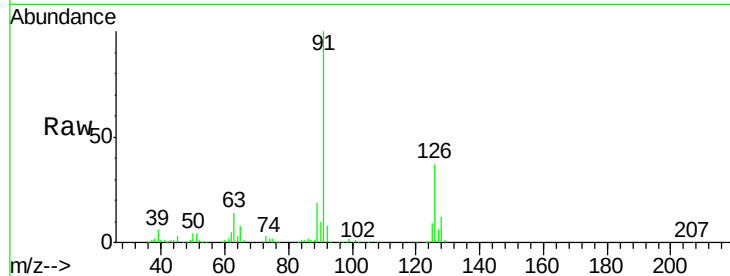
#79
 2-Chlorotoluene
 Concen: 20.270 ug/l
 RT: 12.20 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion: 91 Resp: 554214
 Ion Ratio Lower Upper
 91 100
 126 36.5 18.1 54.3

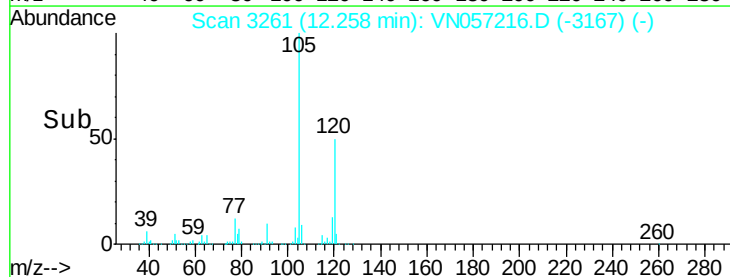
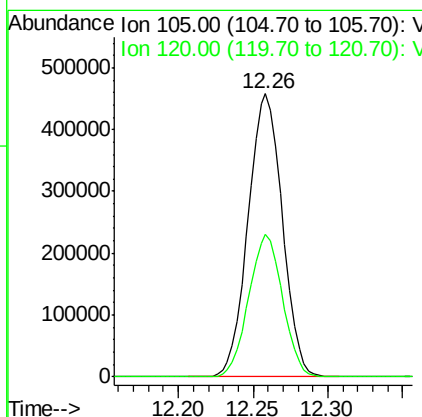
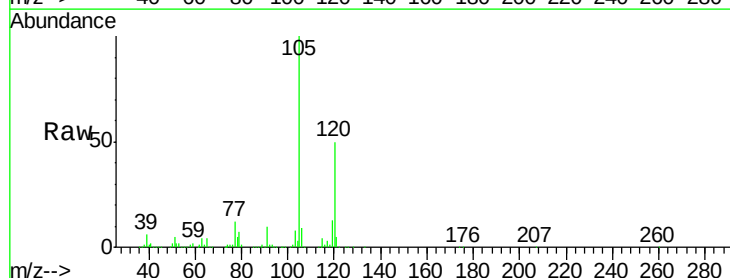
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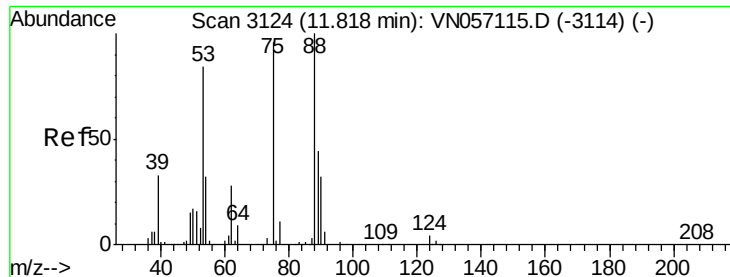
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.504 ug/l
 RT: 12.26 min Scan# 3261
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion: 105 Resp: 728671
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.6





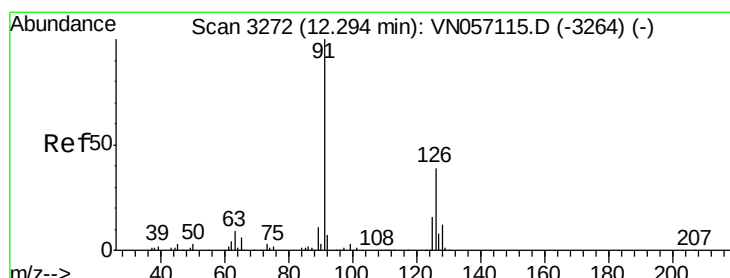
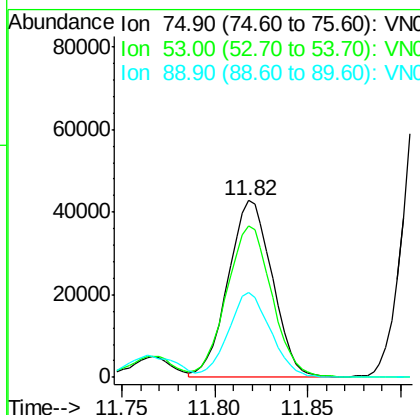
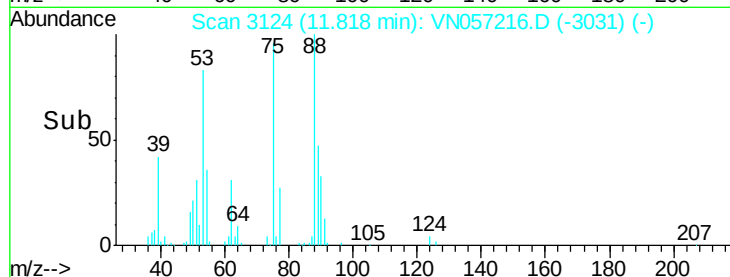
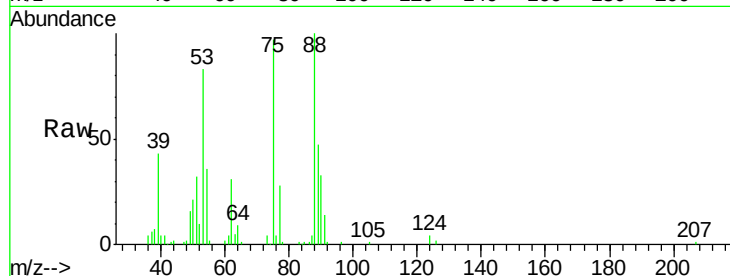
#81
trans-1,4-Dichloro-2-butene
Concen: 21.473 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	70.6	106.0
89	46.2	36.4	54.6

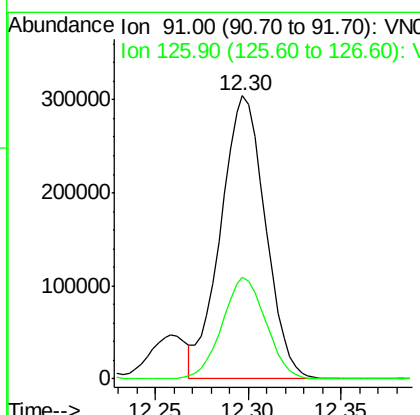
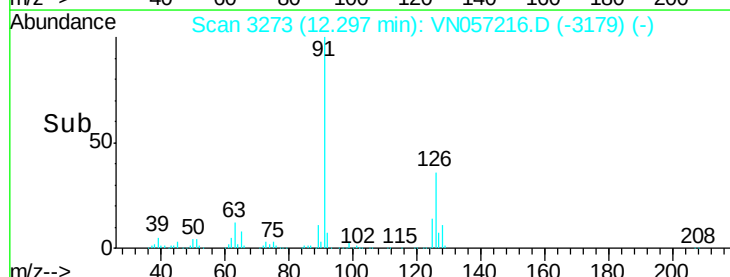
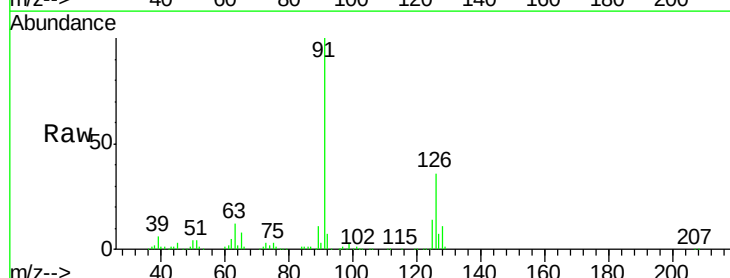
Manual Integrations
APPROVED

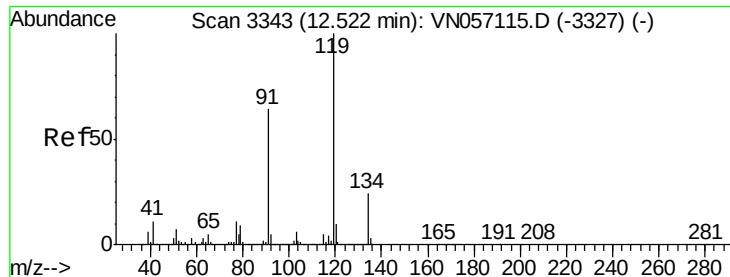
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#82
4-Chlorotoluene
Concen: 18.881 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.9	53.7





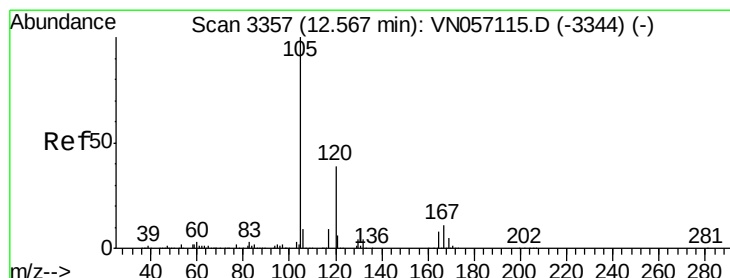
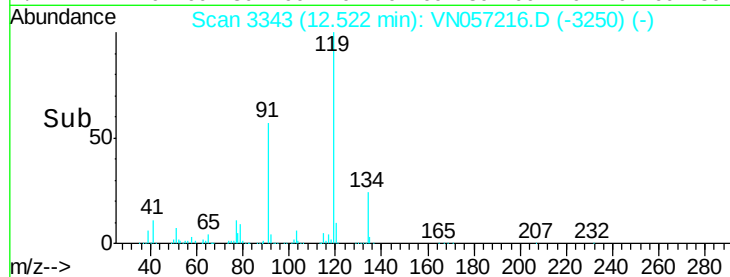
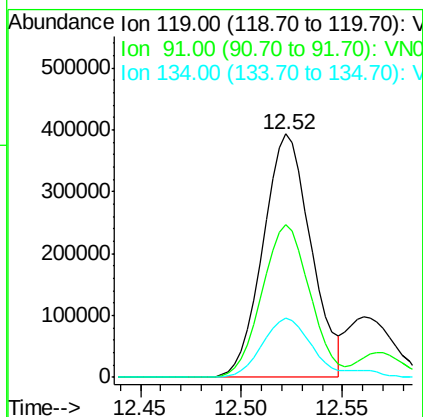
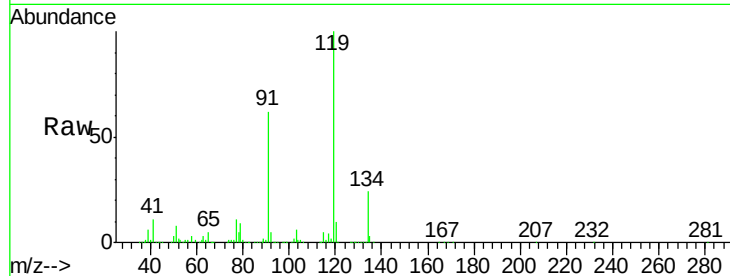
#83
 tert-Butylbenzene
 Concen: 20.840 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		649646		
91	62.7	31.4	94.2		
134	25.0	13.2	39.6		

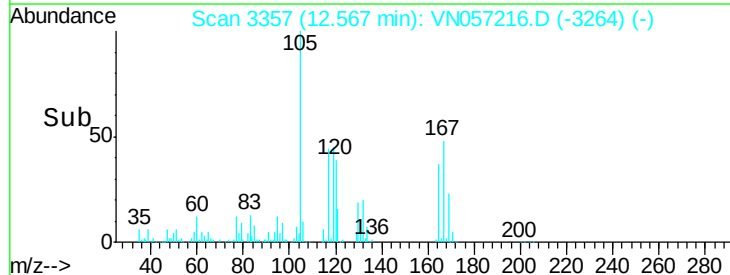
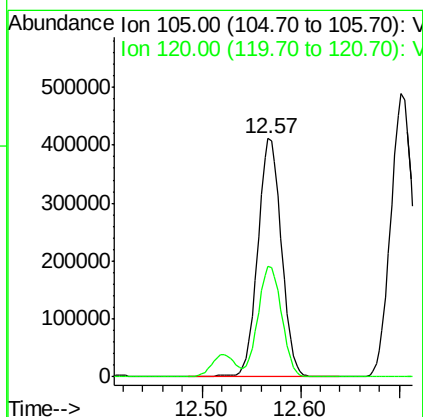
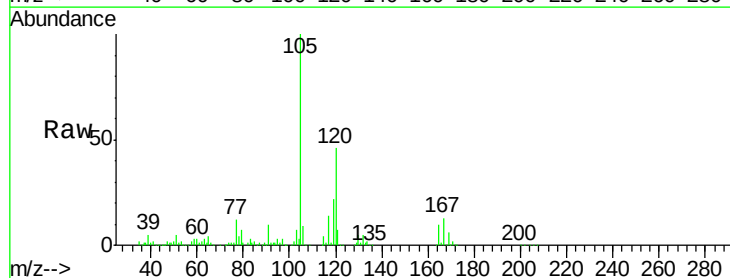
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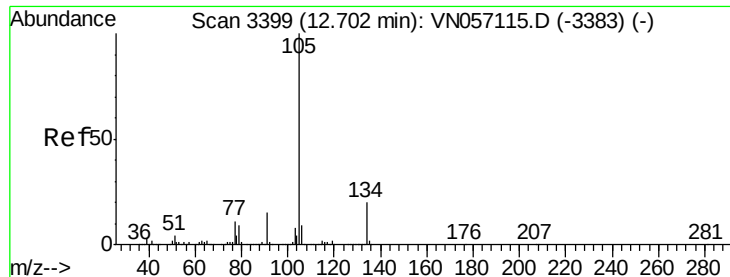
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.752 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		677141		
120	46.6	23.3	69.8		





#85

sec-Butylbenzene

Concen: 18.444 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBS02

Tot Ion:105 Resp: 777613

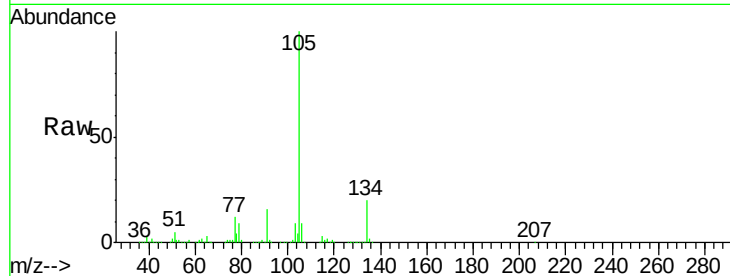
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4

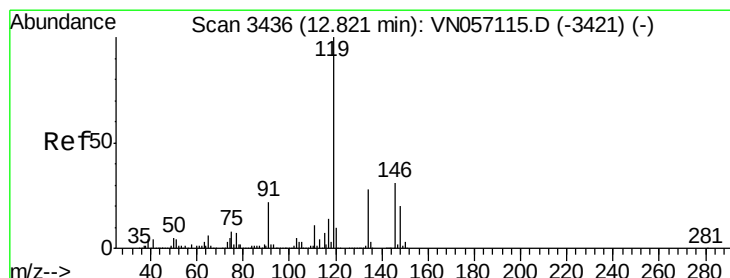
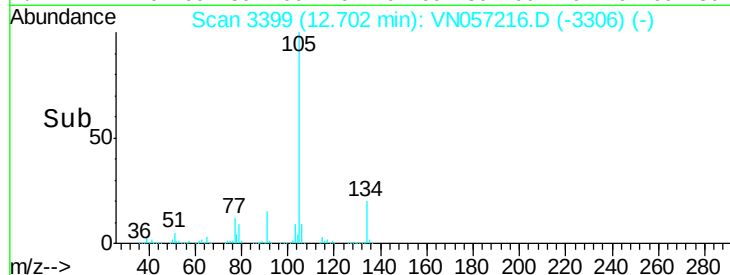
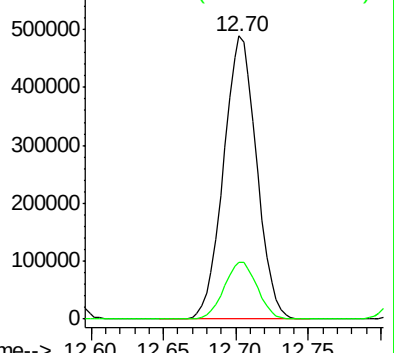
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.236 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

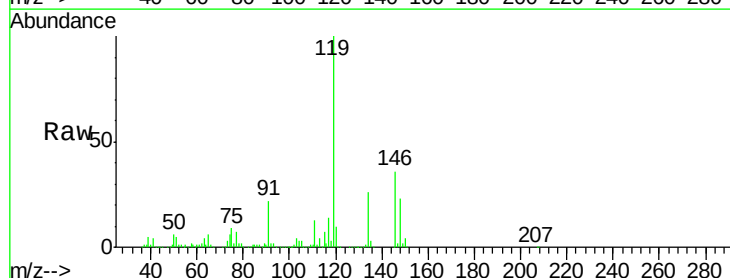
Tgt Ion:119 Resp: 674641

Ion Ratio Lower Upper

119 100

134 26.6 13.8 41.3

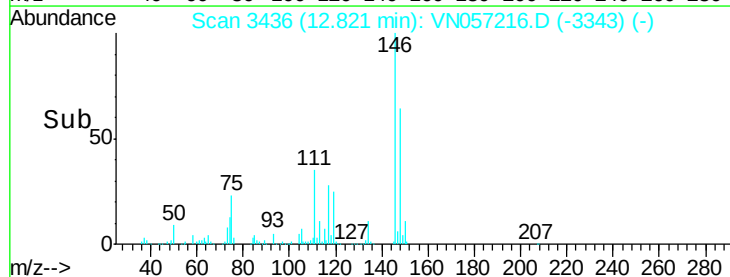
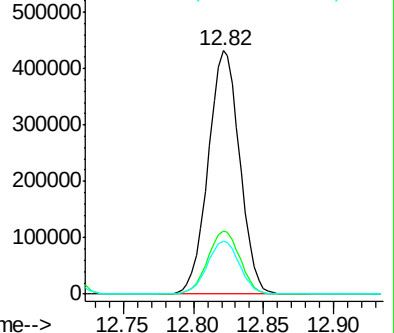
91 22.3 11.0 33.0

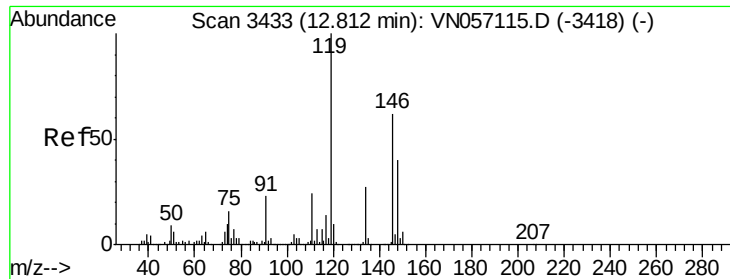


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





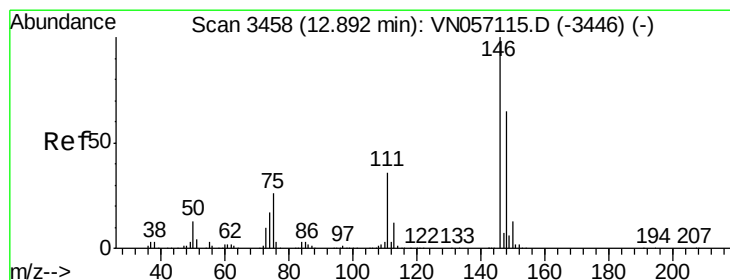
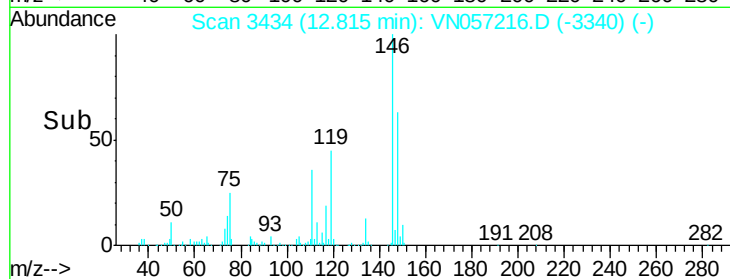
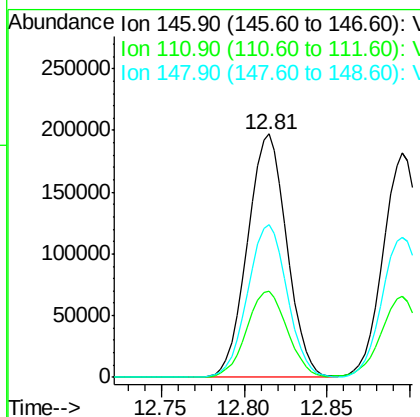
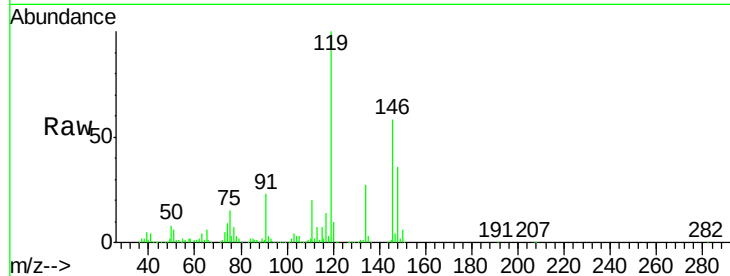
#87
 1,3-Dichlorobenzene
 Concen: 19.706 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	326325		
111	36.5	18.8	56.4	
148	63.1	32.4	97.0	

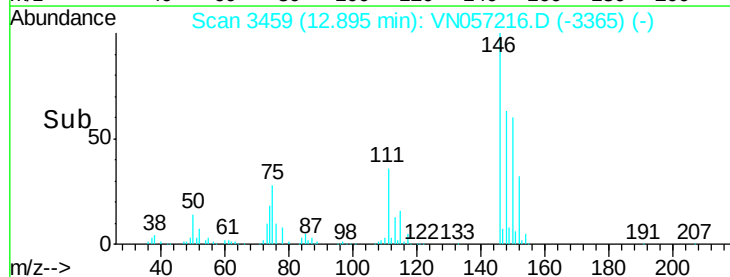
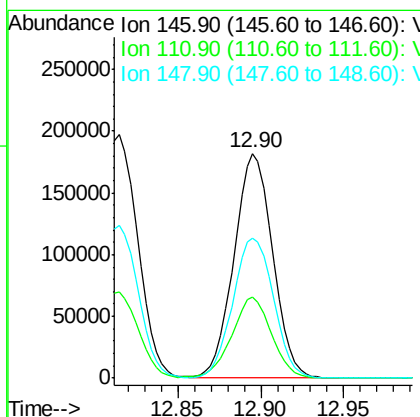
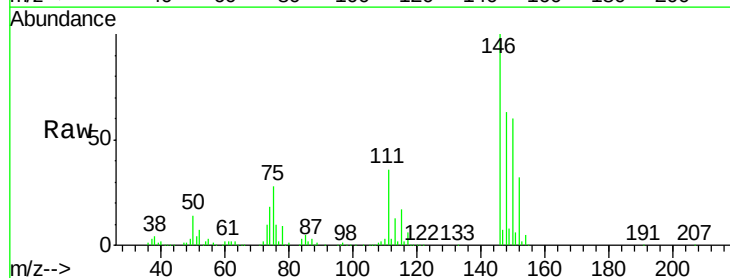
Manual Integrations
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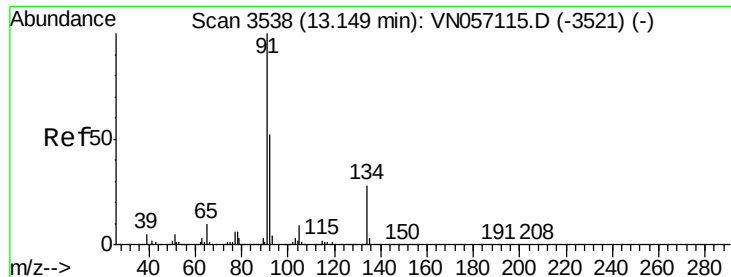
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#88
 1,4-Dichlorobenzene
 Concen: 18.864 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295978		
111	37.1	18.2	54.6	
148	65.5	32.0	96.2	





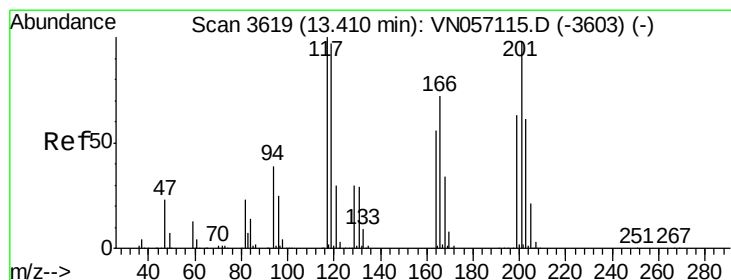
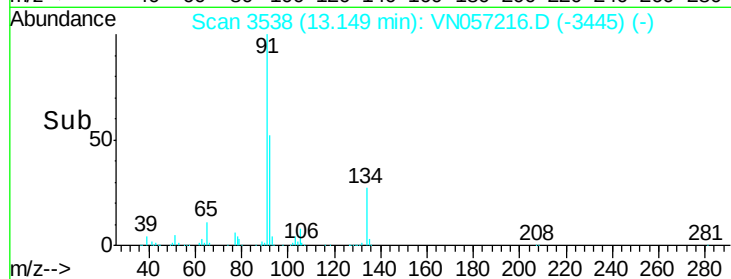
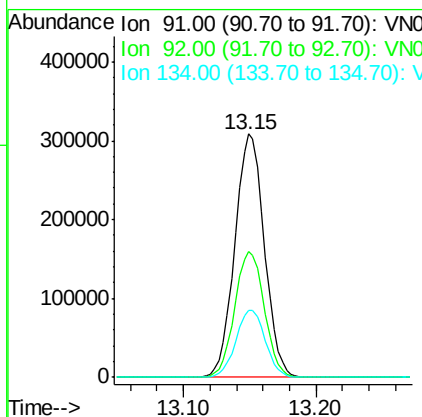
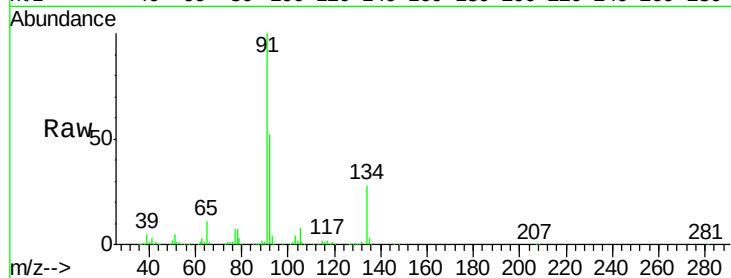
#89
n-Butylbenzene
Concen: 18.649 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.5	79.4
134	27.6	14.1	42.3

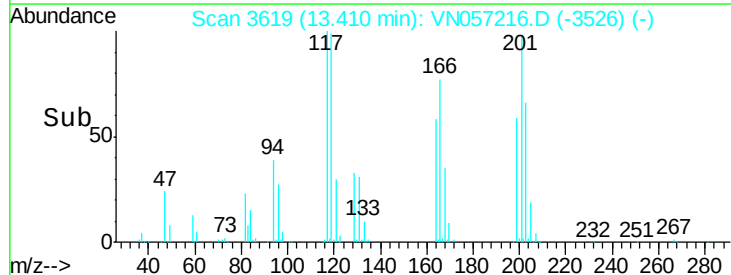
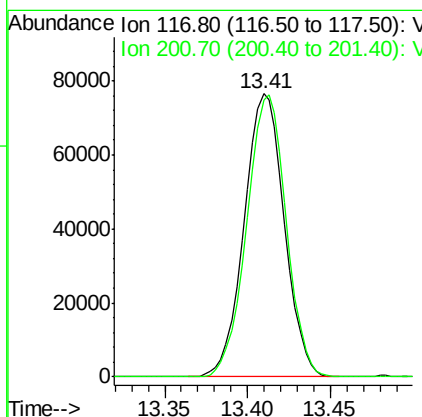
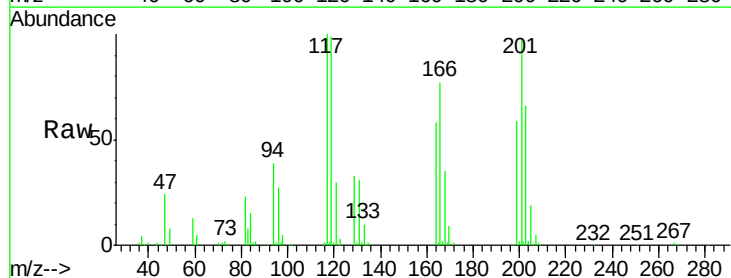
Manual Integrations
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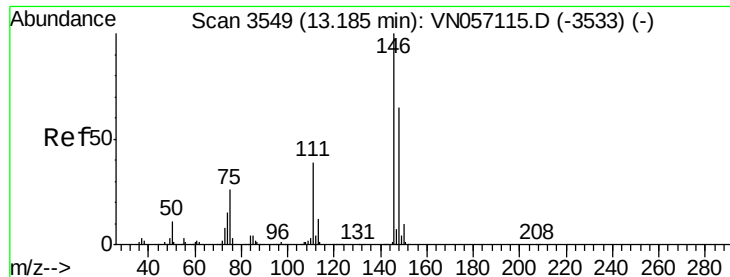
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#90
Hexachloroethane
Concen: 21.395 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057216.D
Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.0	49.3	147.8





#91

1,2-Dichlorobenzene

Concen: 19.274 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

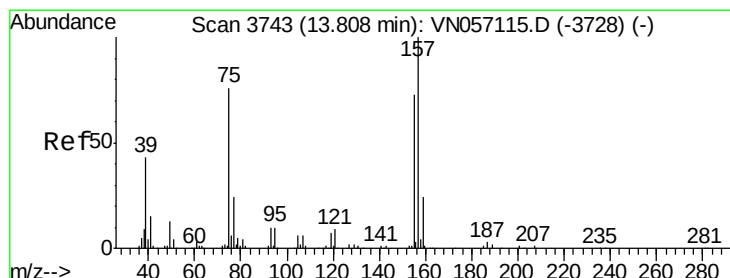
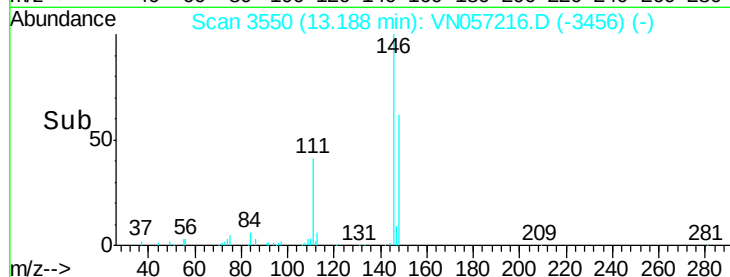
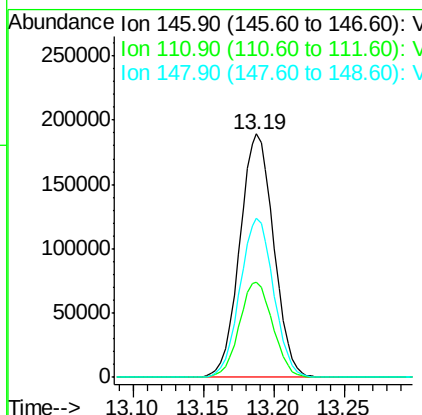
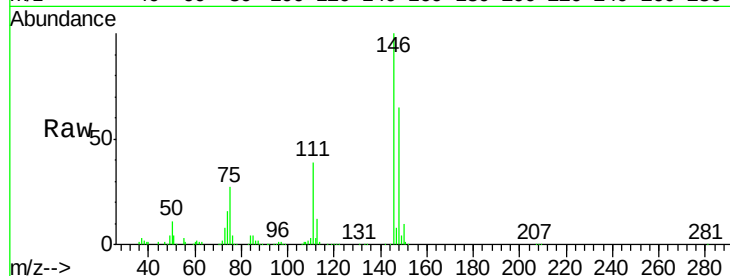
ClientSampleId :

VN0812WBS02

Tot Ion:	146	Resp:	318715
Ion Ratio		Lower	Upper
146	100		
111	38.5	19.2	57.6
148	64.8	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.889 ug/l

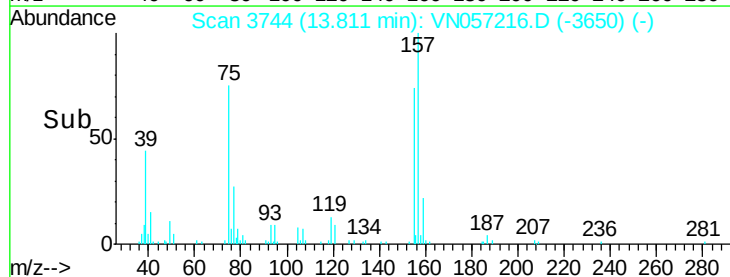
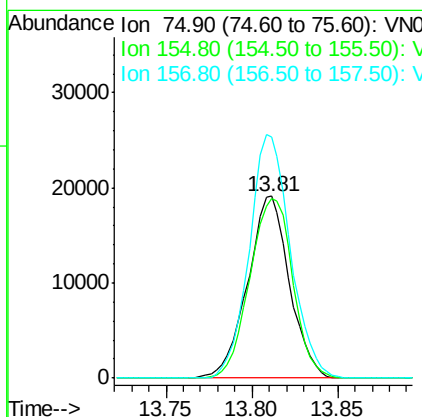
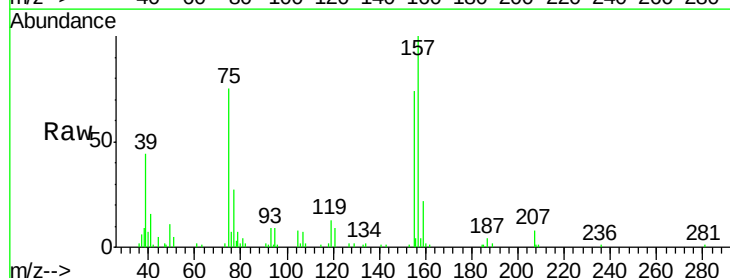
RT: 13.81 min Scan# 3744

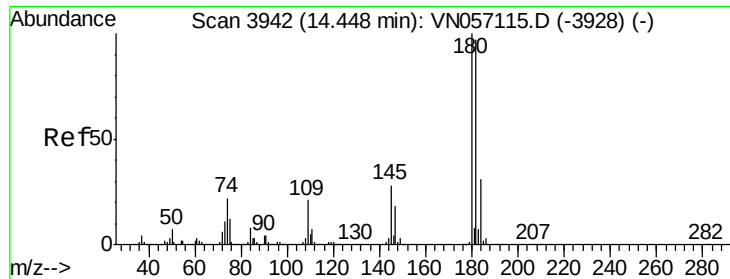
Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	75	Resp:	32132
Ion Ratio		Lower	Upper
75	100		
155	101.3	49.3	147.9
157	131.9	65.3	195.8





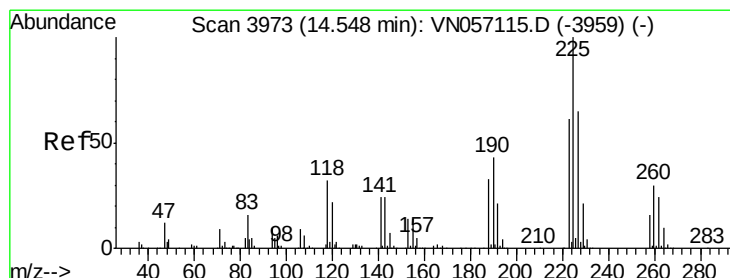
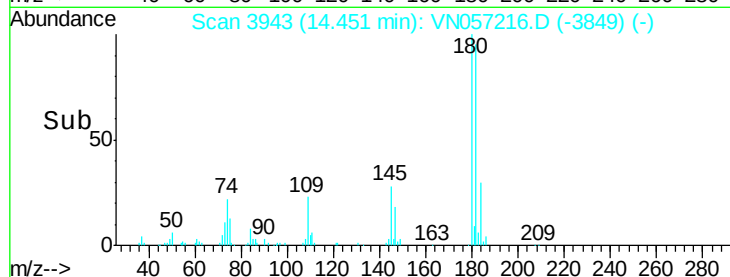
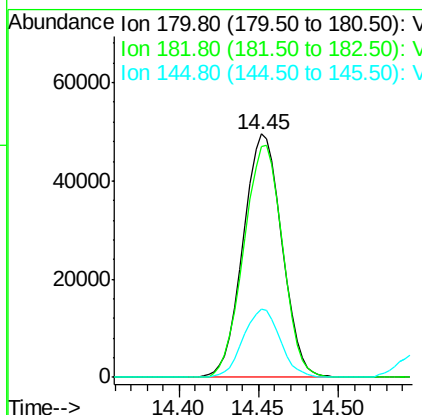
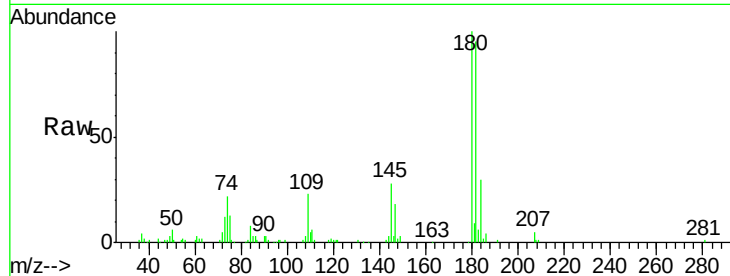
#93
 1,2,4-Trichlorobenzene
 Concen: 16.221 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81883		
182	95.5	47.5	142.6	
145	26.6	14.1	42.2	

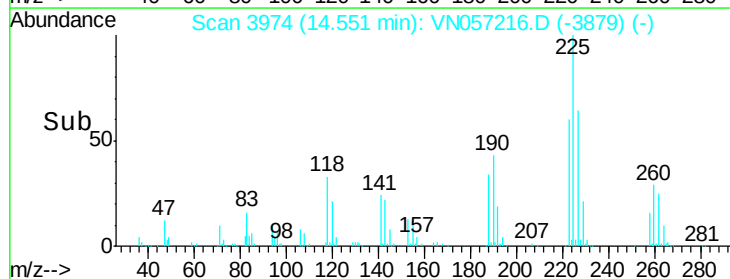
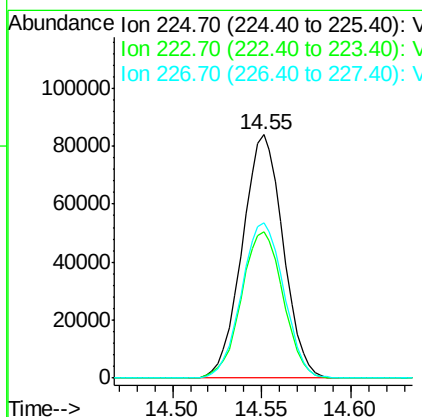
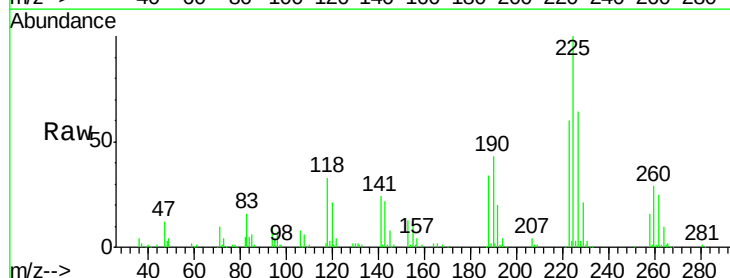
Manual Integrations
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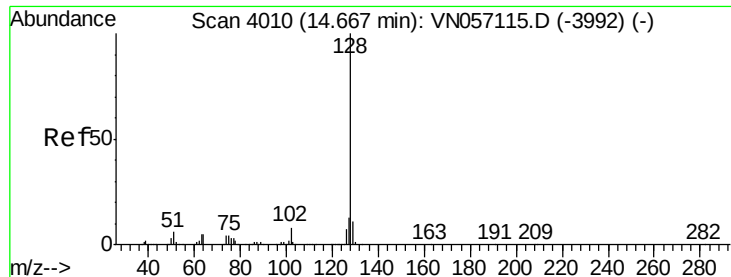
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 8/14/2019 9:23:53 AM



#94
 Hexachlorobutadiene
 Concen: 21.011 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057216.D
 Acq: 12 Aug 2019 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133860		
223	61.5	30.9	92.8	
227	66.1	32.4	97.0	





#95

Naphthalene

Concen: 15.057 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Instrument :

MSVOA_N

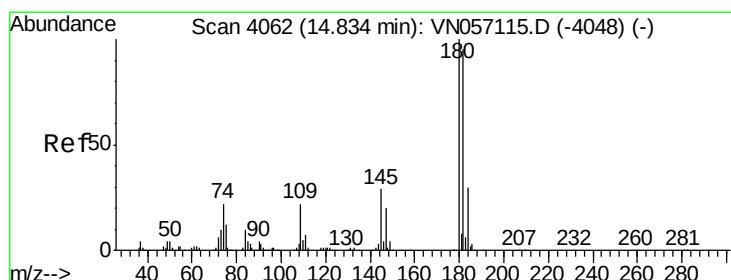
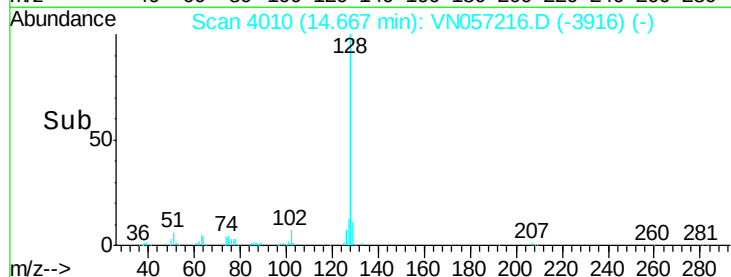
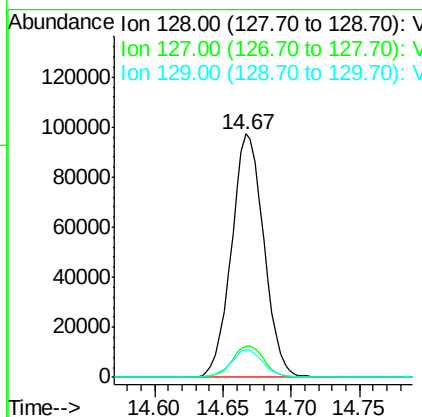
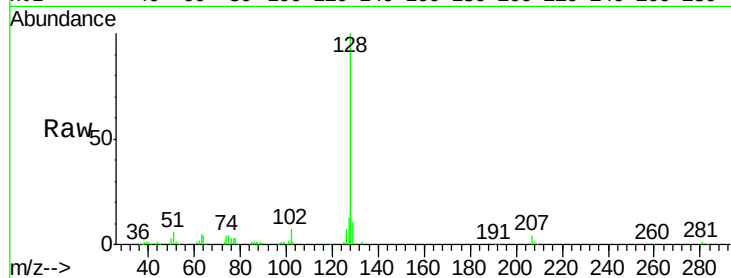
ClientSampleId :

VN0812WBS02

Tot Ion:	128	Resp:	160141
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:23:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.044 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057216.D

Acq: 12 Aug 2019 15:37

Tgt Ion:	180	Resp:	84555
Ion Ratio	Lower	Upper	
180	100		
182	93.4	48.3	144.8
145	30.0	14.9	44.5

