

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080819\
 Data File : VN057123.D
 Acq On : 8 Aug 2019 11:32
 Operator : JC/SP
 Sample : VN0808WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 9:28:00 AM

Quant Time: Aug 09 03:32:49 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	1234923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1824327	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1598251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	561548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	641309	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	6.98	113	592092	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	9.56	98	2260675	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.92	95	691207	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	182697	18.407	ug/l	97
3) Chloromethane	2.00	50	244964	18.575	ug/l	100
4) Vinyl Chloride	2.11	62	235618	19.221	ug/l	98
5) Bromomethane	2.43	94	172194	20.674	ug/l	100
6) Chloroethane	2.55	64	155558	19.785	ug/l	99
7) Trichlorofluoromethane	2.83	101	343759	19.510	ug/l	99
8) Diethyl Ether	3.14	74	133925	19.673	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.44	101	210385	19.696	ug/l	100
10) Methyl Iodide	3.63	142	318909	19.757	ug/l	98
11) Tert butyl alcohol	4.23	59	164947	91.267	ug/l	100
12) 1,1-Dichloroethene	3.43	96	211339	20.112	ug/l	99
13) Acrolein	3.31	56	104794	91.656	ug/l	99
14) Allyl chloride	3.91	41	330020	21.611	ug/l	93
15) Acrylonitrile	4.45	53	491549	100.494	ug/l	98
16) Acetone	3.47	43	423668	110.460	ug/l	100
17) Carbon Disulfide	3.72	76	557797	19.954	ug/l	100
18) Methyl Acetate	3.89	43	236637	20.317	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	641692	20.228	ug/l	97
20) Methylene Chloride	4.10	84	247241	19.532	ug/l	98
21) trans-1,2-Dichloroethene	4.51	96	226069	19.750	ug/l	92
22) Diisopropyl ether	5.32	45	676678	20.315	ug/l	98
23) Vinyl Acetate	5.26	43	2629110	103.075	ug/l	100
24) 1,1-Dichloroethane	5.25	63	406043	19.830	ug/l	98
25) 2-Butanone	6.20	43	610829	104.236	ug/l	96
26) 2,2-Dichloropropane	6.21	77	321367	21.572	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	258990	19.750	ug/l	97
28) Bromochloromethane	6.58	49	191817	20.366	ug/l	99
29) Tetrahydrofuran	6.60	42	407168	103.144	ug/l	98
30) Chloroform	6.76	83	412443	19.461	ug/l	99
31) Cyclohexane	7.07	56	356022	19.326	ug/l	97
32) 1,1,1-Trichloroethane	6.98	97	346054	19.465	ug/l	99
36) 1,1-Dichloropropene	7.20	75	307037	20.441	ug/l	99
37) Ethyl Acetate	6.28	43	244857	19.767	ug/l #	98
38) Carbon Tetrachloride	7.18	117	308601	19.714	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	368618	20.180	ug/l	99
40) Benzene	7.46	78	944629	19.865	ug/l	99
41) Methacrylonitrile	6.55	41	116434	18.512	ug/l	94
42) 1,2-Dichloroethane	7.54	62	300181	19.794	ug/l	98
43) Isopropyl Acetate	7.56	43	414322	19.608	ug/l	98
44) Trichloroethene	8.27	130	265773	19.950	ug/l	97
45) 1,2-Dichloropropane	8.56	63	247478	20.100	ug/l	98
46) Dibromomethane	8.65	93	157388	19.936	ug/l	99
47) Bromodichloromethane	8.85	83	308075	20.168	ug/l	99
48) Methyl methacrylate	8.63	41	196713	19.743	ug/l	99
49) 1,4-Dioxane	8.64	88	78792	388.266	ug/l	95
51) 4-Methyl-2-Pentanone	9.45	43	1242187	101.009	ug/l	100
52) Toluene	9.63	92	594419	20.139	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	332540	20.839	ug/l	96
54) cis-1,3-Dichloropropene	9.30	75	377111	20.595	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	229614	19.783	ug/l	98
56) Ethyl methacrylate	9.90	69	333132	20.499	ug/l	98
57) 1,3-Dichloropropane	10.19	76	380121	19.859	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	585873	98.783	ug/l	99
59) 2-Hexanone	10.24	43	857498	103.027	ug/l	100
60) Dibromochloromethane	10.39	129	251459	20.628	ug/l	99
61) 1,2-Dibromoethane	10.50	107	239135	19.966	ug/l	99
64) Tetrachloroethene	10.11	164	260433	19.594	ug/l	96
65) Chlorobenzene	10.93	112	640449	19.916	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	242880	20.202	ug/l	99
67) Ethyl Benzene	11.01	91	1113785	20.124	ug/l	99
68) m/p-Xylenes	11.12	106	834860	40.944	ug/l	99
69) o-Xylene	11.46	106	414297	20.416	ug/l	96
70) Styrene	11.47	104	641505	20.239	ug/l	100
71) Bromoform	11.64	173	180317	20.475	ug/l #	100
73) Isopropylbenzene	11.76	105	1095598	22.503	ug/l	100
74) N-amyl acetate	11.58	43	297568	20.911	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.02	83	305722	22.659	ug/l	99
76) 1,2,3-Trichloropropane	12.07	75	241443m	20.265	ug/l	
77) Bromobenzene	12.04	156	277124	20.532	ug/l	99
78) n-propylbenzene	12.11	91	1095774	20.340	ug/l	100
79) 2-Chlorotoluene	12.19	91	691495	21.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	899769	20.755	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	83430	21.845	ug/l	98
82) 4-Chlorotoluene	12.29	91	632713	20.284	ug/l	97
83) tert-Butylbenzene	12.52	119	812376	22.627	ug/l	98
84) 1,2,4-Trimethylbenzene	12.57	105	838599	20.012	ug/l	100
85) sec-Butylbenzene	12.70	105	976300	19.955	ug/l	98
86) p-Isopropyltoluene	12.82	119	856513	19.951	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	391734	20.386	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	360684	19.811	ug/l	99
89) n-Butylbenzene	13.15	91	606610	20.452	ug/l	99
90) Hexachloroethane	13.41	117	155883	22.310	ug/l	98
91) 1,2-Dichlorobenzene	13.19	146	382240	19.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	39204	19.860	ug/l	96

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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	113390	18.211	ug/l	100
94) Hexachlorobutadiene	14.55	225	164831	22.545	ug/l	99
95) Naphthalene	14.67	128	233075	17.995	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	126759	19.058	ug/l	96

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

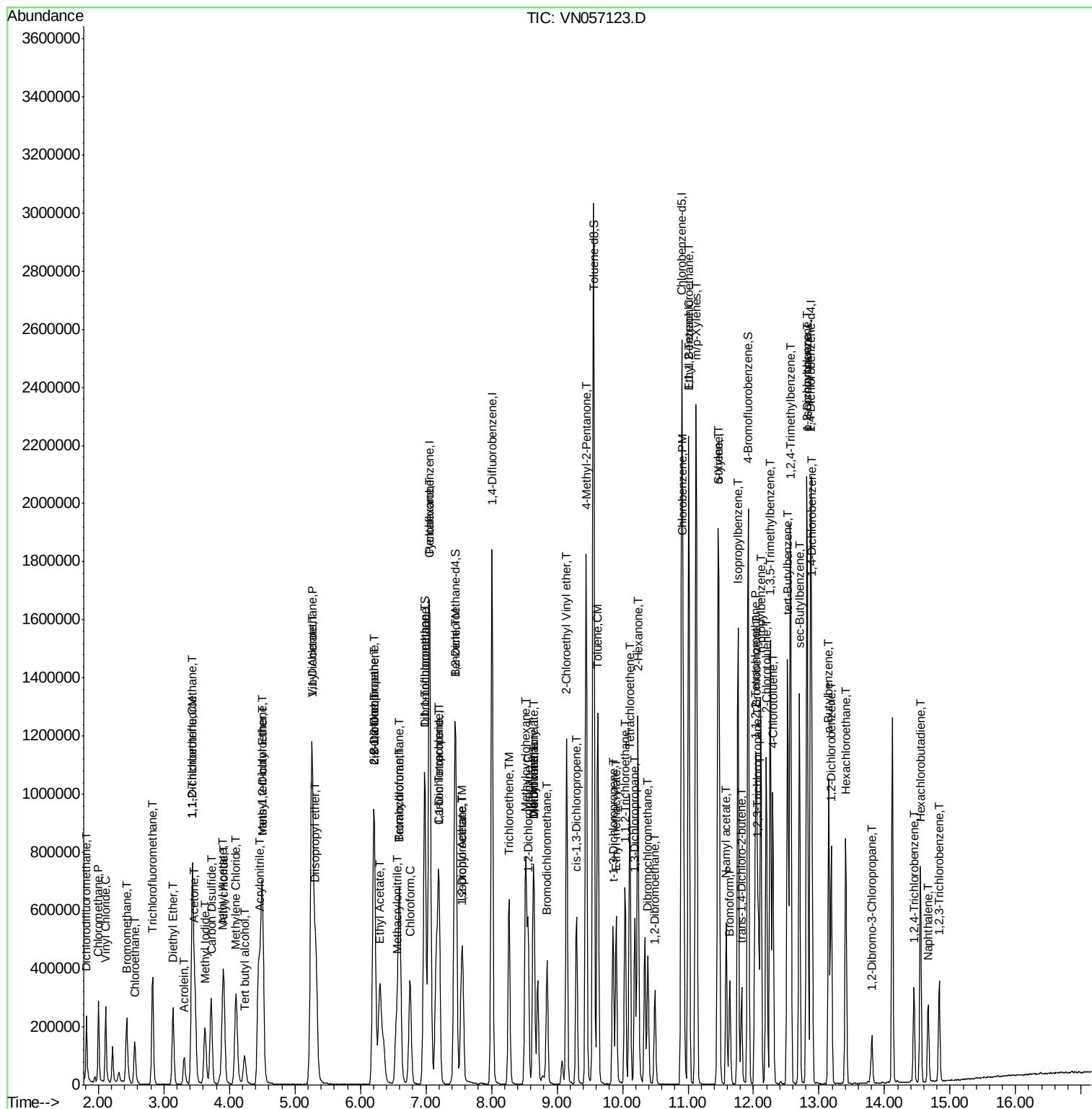
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080819\
Data File : VN057123.D
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Operator : JC/SP
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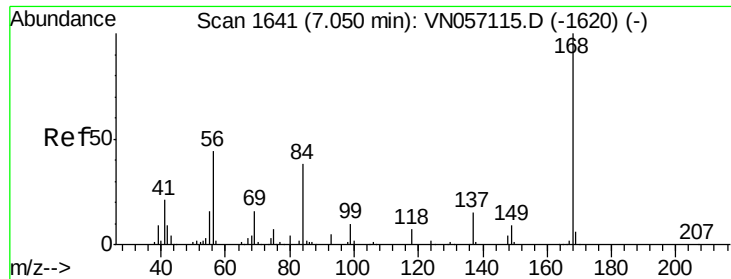
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion:168 Resp: 1234923

Ion Ratio Lower Upper

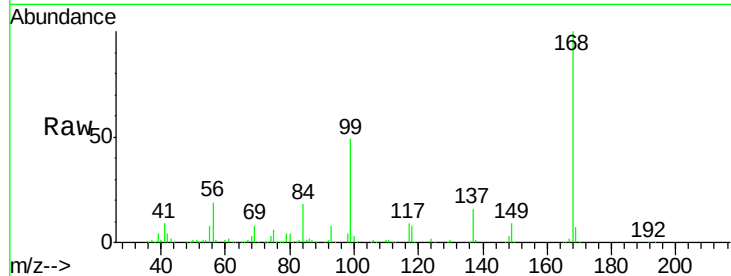
168 100

99 48.8 38.6 57.8

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

500000

400000

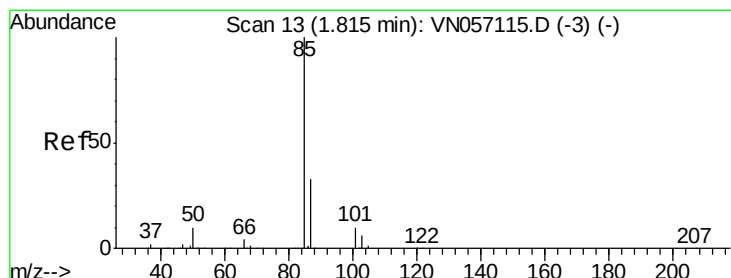
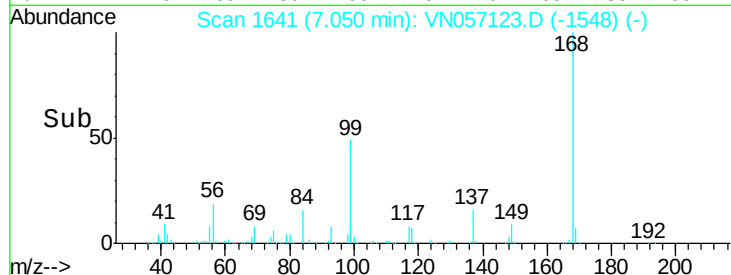
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 18.407 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057123.D

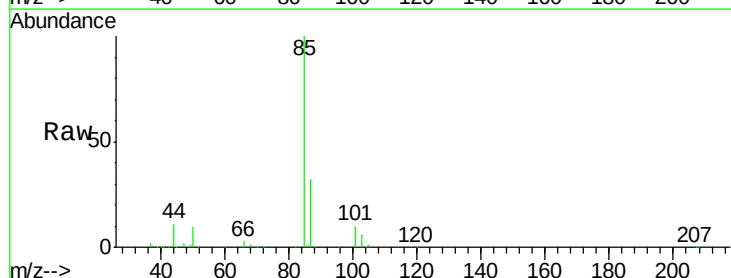
Acq: 8 Aug 2019 11:32

Tgt Ion: 85 Resp: 182697

Ion Ratio Lower Upper

85 100

87 31.6 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

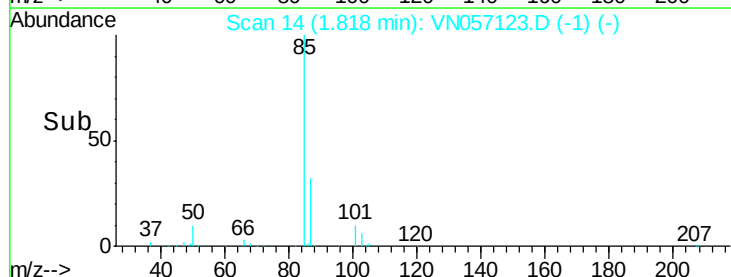
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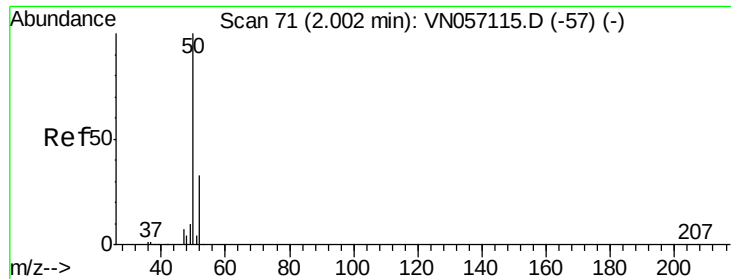
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.575 ug/l

RT: 2.00 min Scan# 71

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 50 Resp: 244964

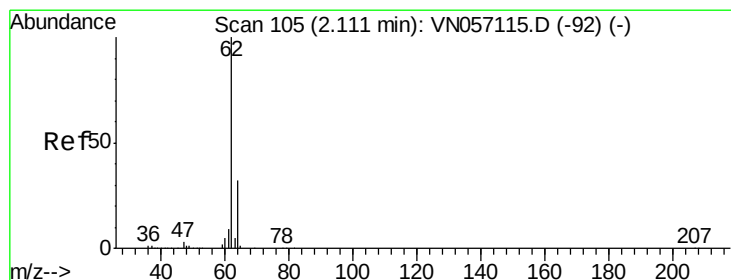
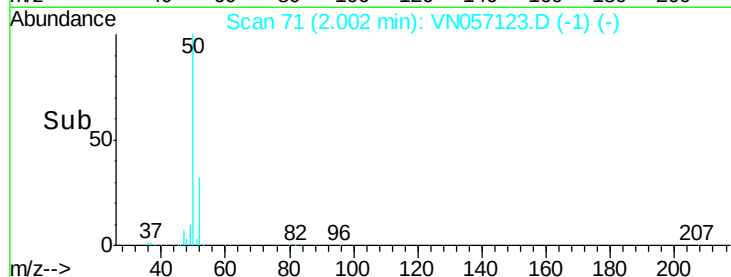
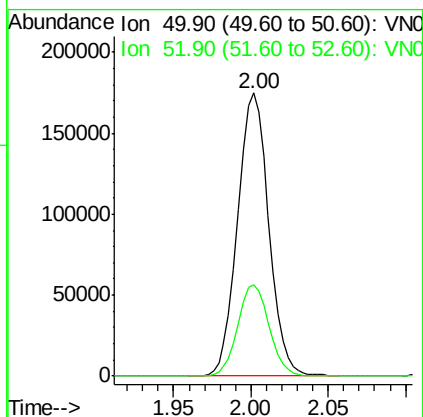
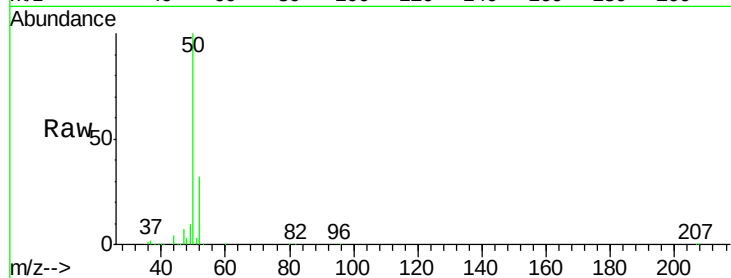
Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.221 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057123.D

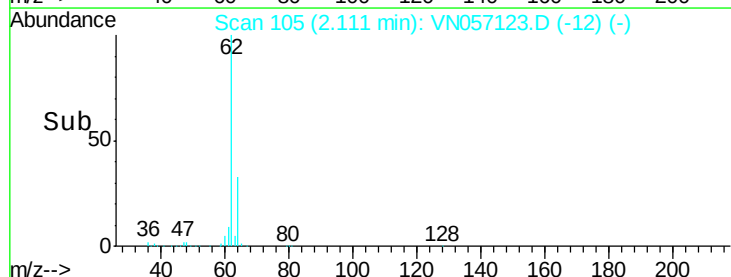
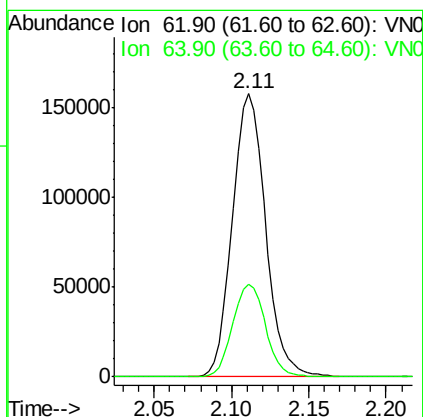
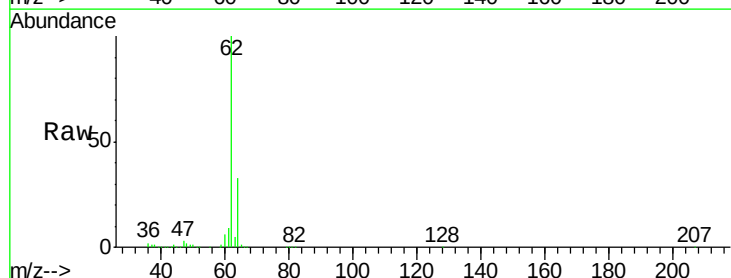
Acq: 8 Aug 2019 11:32

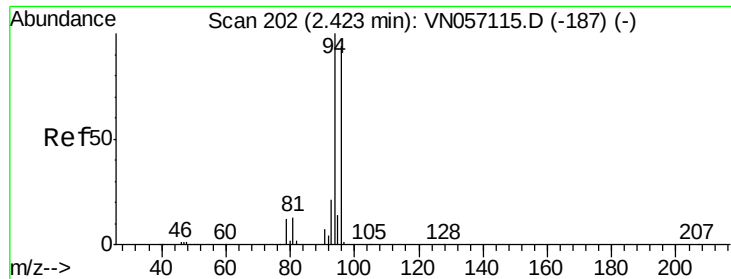
Tgt Ion: 62 Resp: 235618

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 20.674 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 94 Resp: 172194

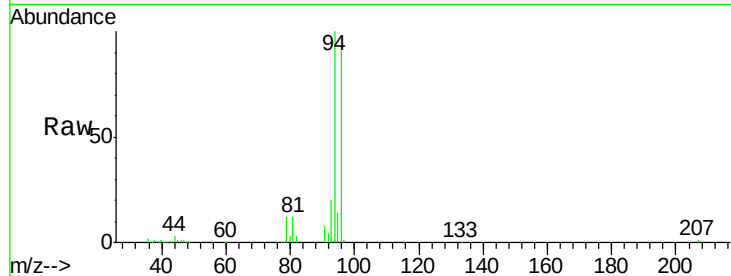
Ion Ratio Lower Upper

94 100

96 93.3 75.0 112.4

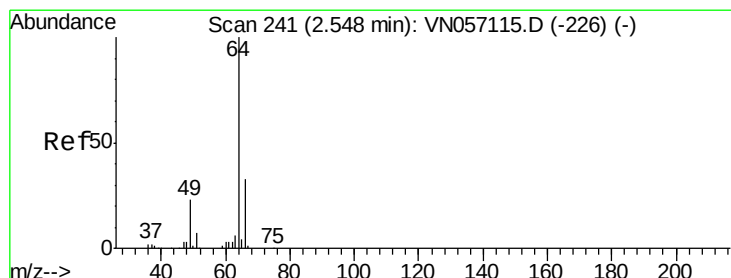
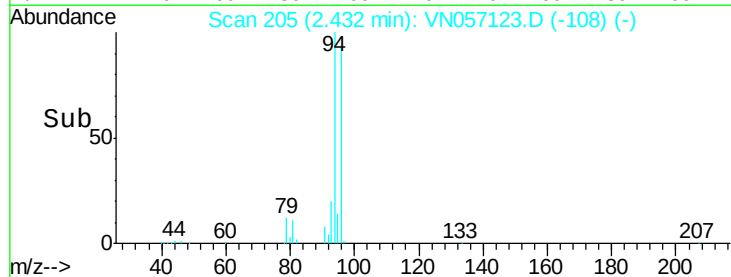
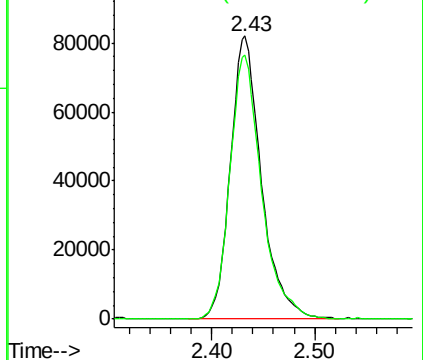
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.785 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057123.D

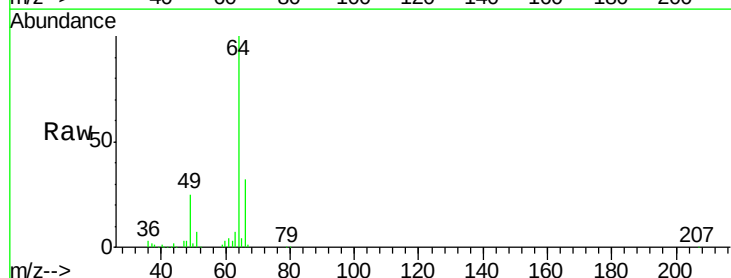
Acq: 8 Aug 2019 11:32

Tgt Ion: 64 Resp: 155558

Ion Ratio Lower Upper

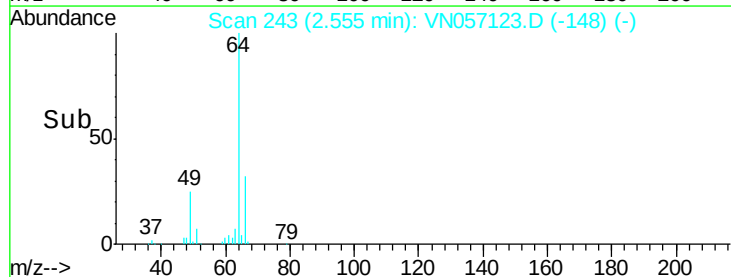
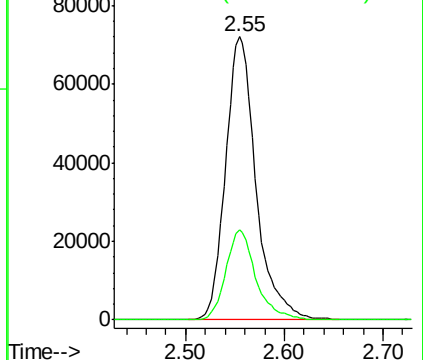
64 100

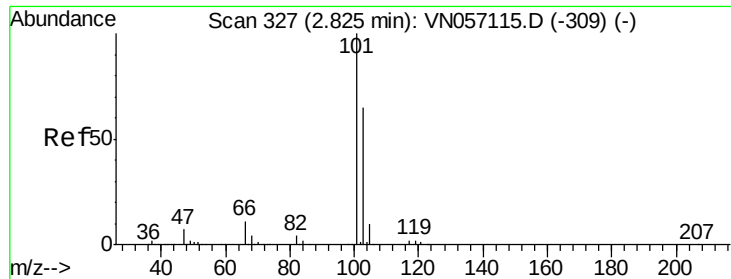
66 32.0 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

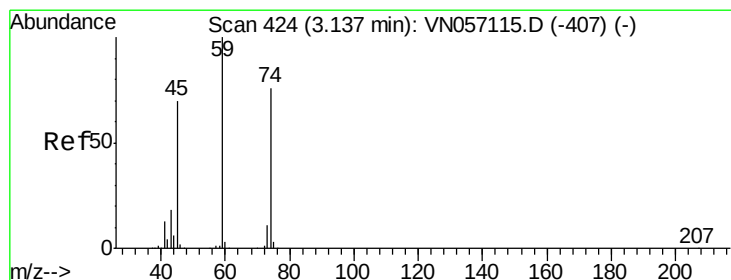
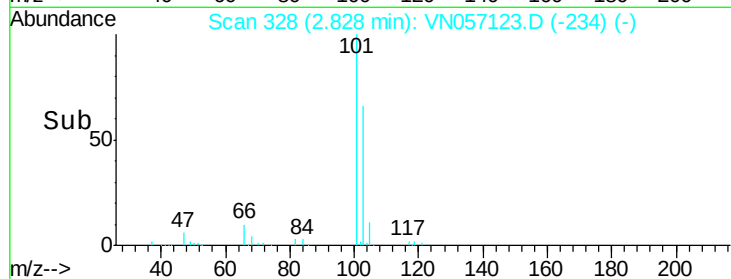
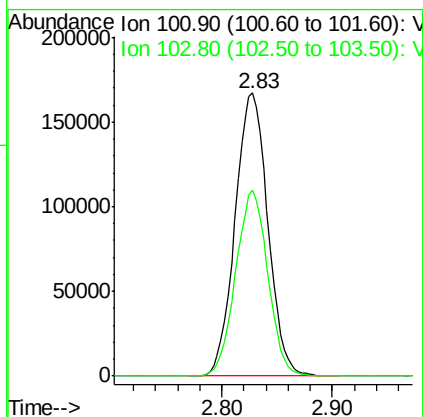
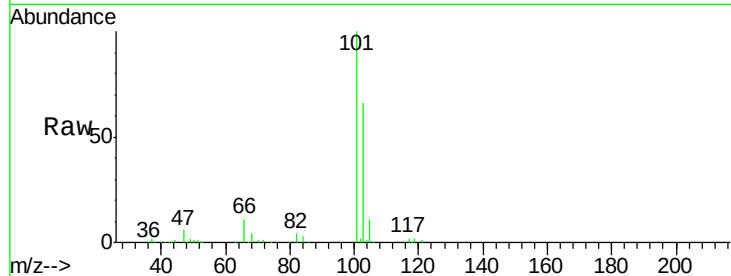
Trichlorofluoromethane
 Concen: 19.510 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
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 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		343759		
103	65.7	52.2	78.4		

Manual Integrations
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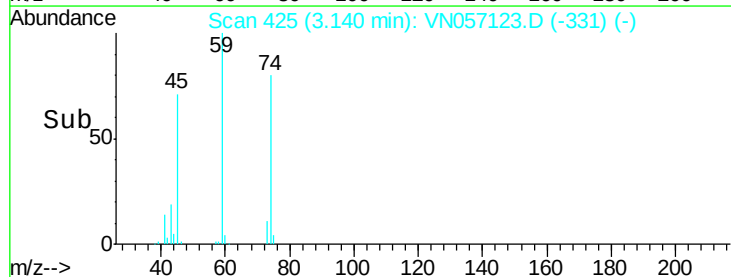
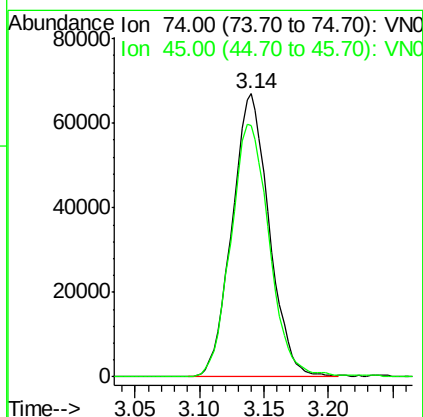
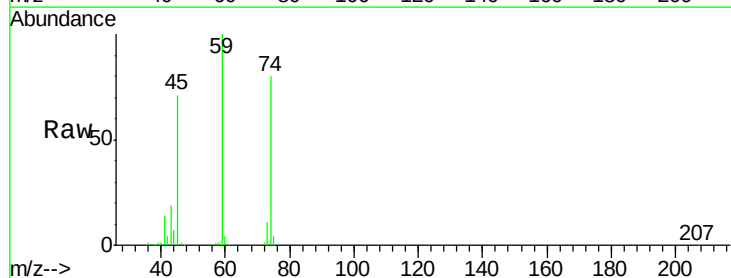
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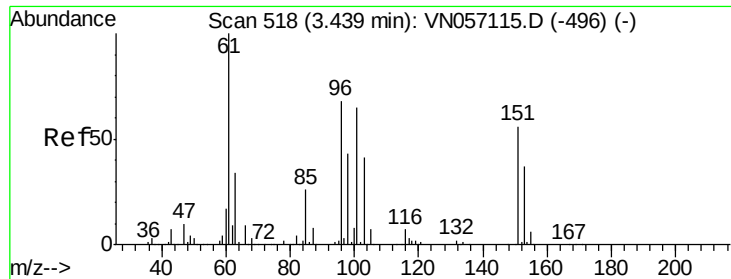


#8

Diethyl Ether
 Concen: 19.673 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057123.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		133925		
45	92.8	46.3	138.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.696 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

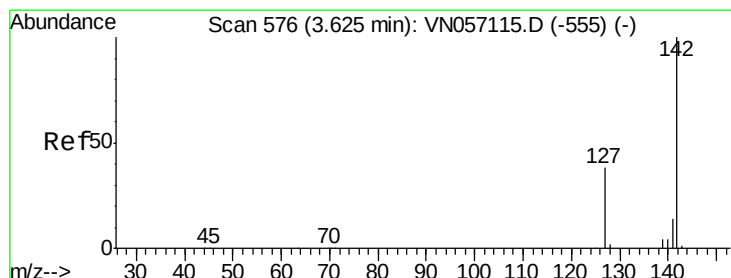
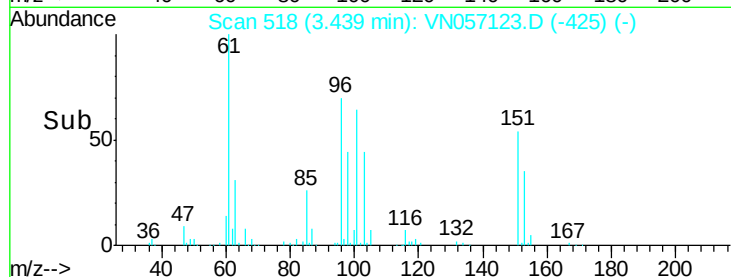
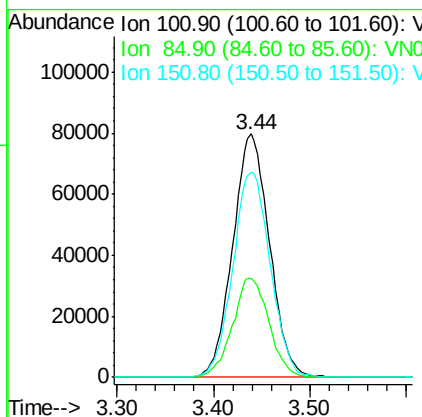
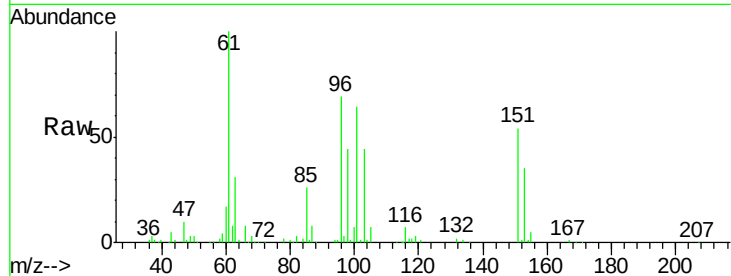
ClientSampleID :

VN0808WBSD01

Tot Ion:	101	Resp:	210385
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.3	48.5
151	86.2	69.4	104.0

Manual Integrations
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MMDadoda
8/9/2019 9:28:00 AM



#10

Methyl Iodide

Concen: 19.757 ug/l

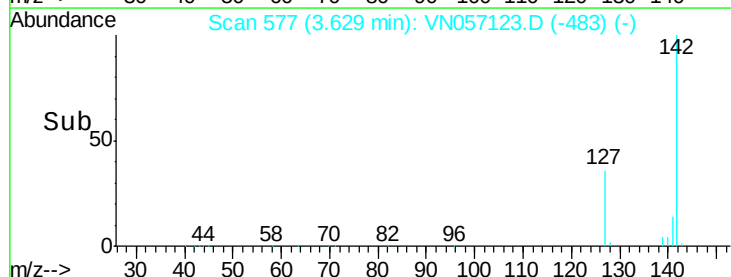
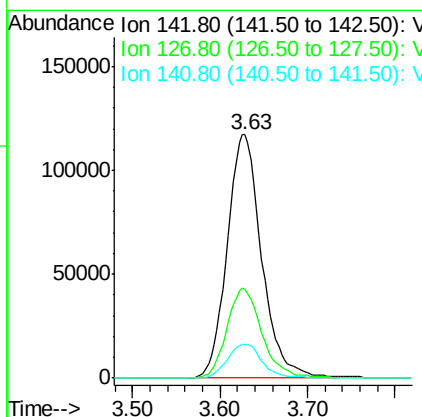
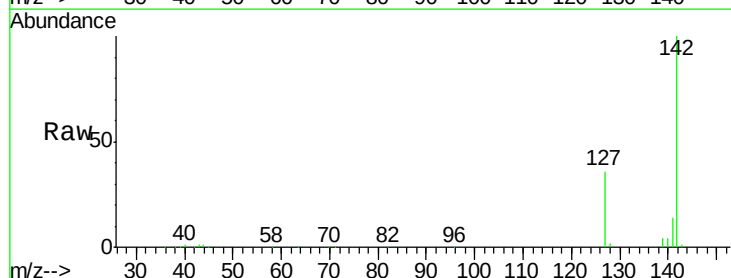
RT: 3.63 min Scan# 577

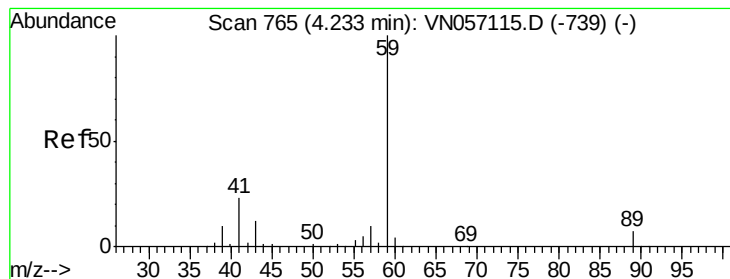
Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	142	Resp:	318909
Ion Ratio	Lower	Upper	
142	100		
127	37.6	31.0	46.6
141	14.1	11.2	16.8





#11

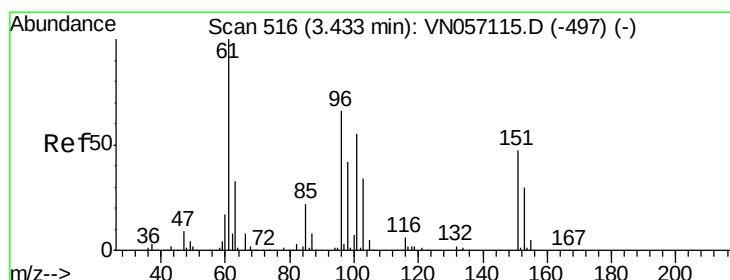
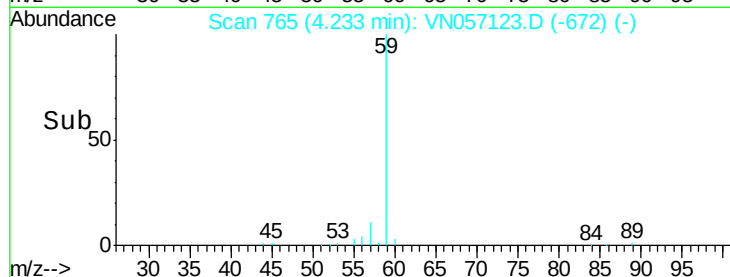
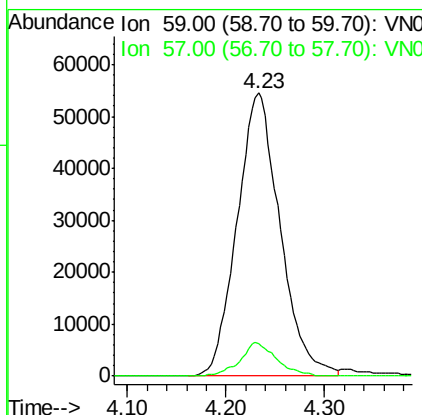
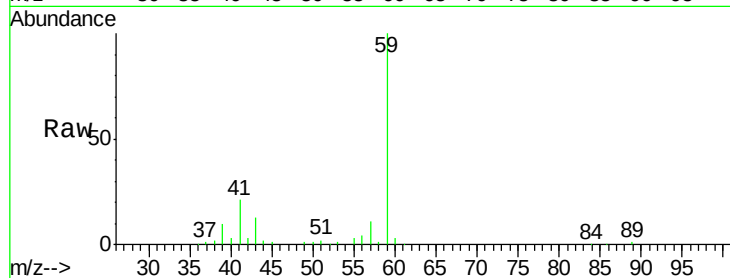
Tert butyl alcohol
 Concen: 91.267 ug/l
 RT: 4.23 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
 APPROVED

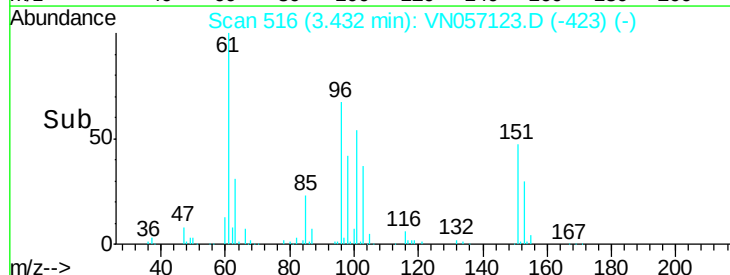
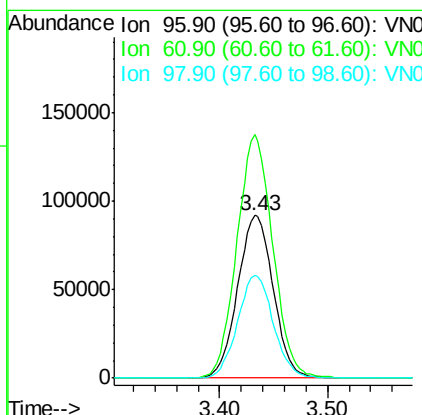
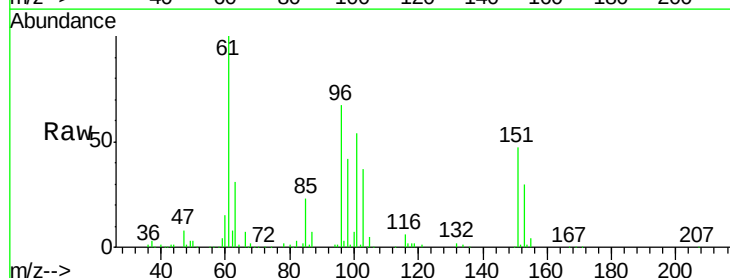
MMDadoda
 8/9/2019 9:28:00 AM

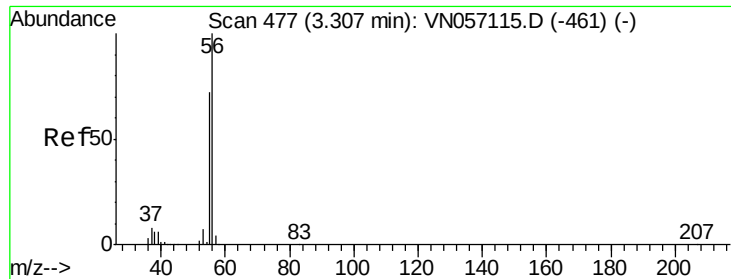


#12

1,1-Dichloroethene
 Concen: 20.112 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.8	121.0	181.6
98	63.6	50.8	76.2





#13

Acrolein

Concen: 91.656 ug/l

RT: 3.31 min Scan# 478

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 56 Resp: 104794

Ion Ratio Lower Upper

56 100

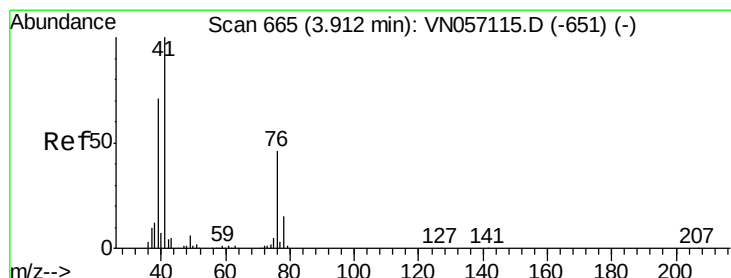
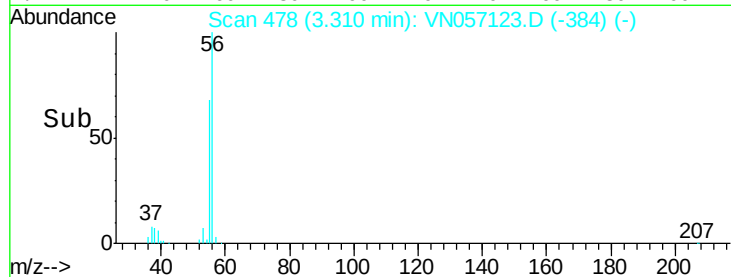
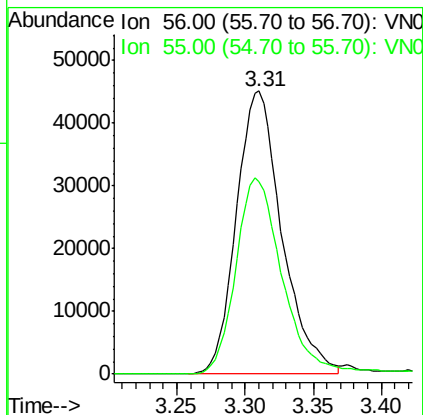
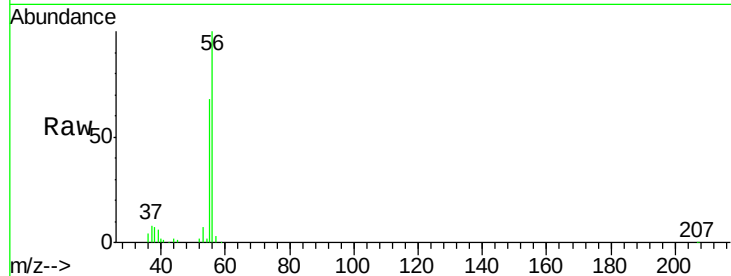
55 70.9 57.7 86.5

Manual Integrations

APPROVED

MMDadoda

8/9/2019 9:28:00 AM



#14

Allyl chloride

Concen: 21.611 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

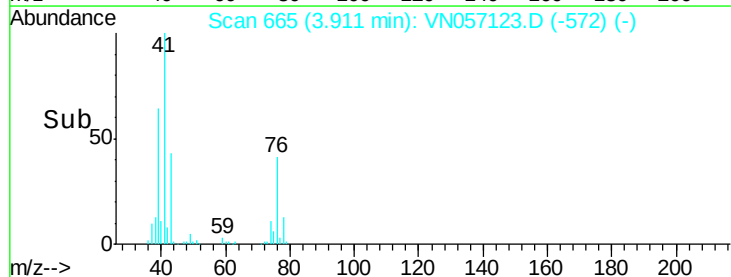
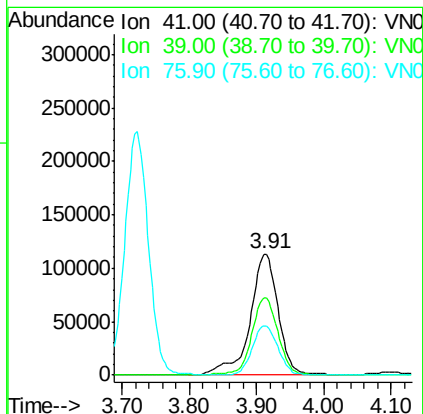
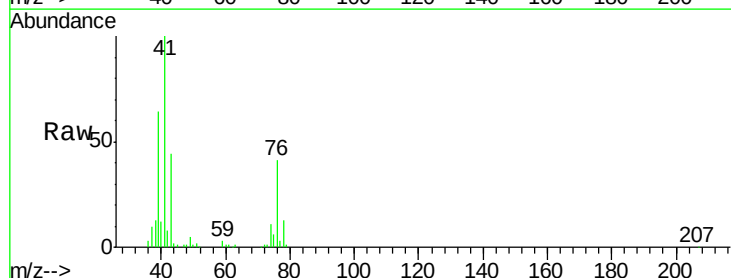
Tgt Ion: 41 Resp: 330020

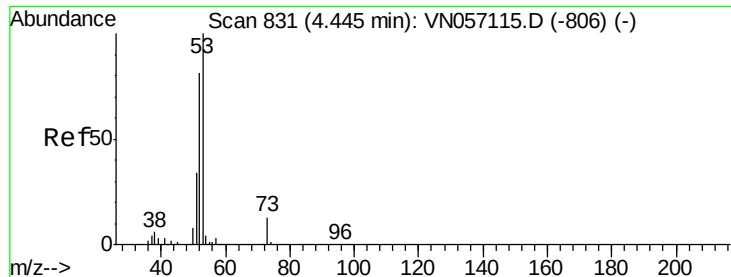
Ion Ratio Lower Upper

41 100

39 58.2 51.1 76.7

76 36.4 32.8 49.2





#15

Acrylonitrile

Concen: 100.494 ug/l

RT: 4.45 min Scan# 831

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

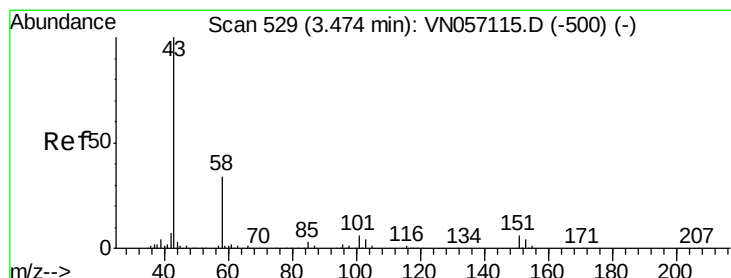
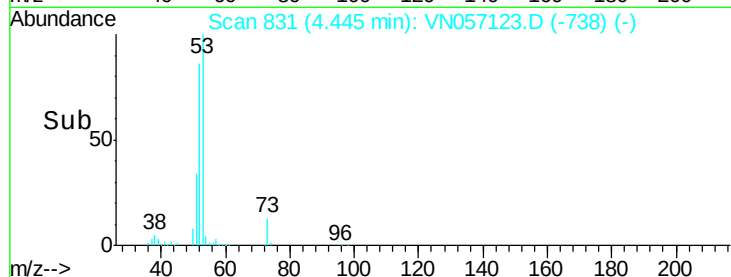
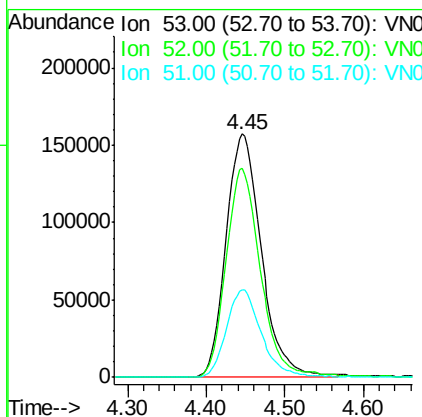
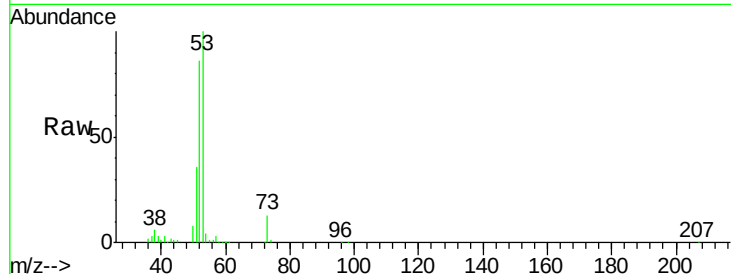
ClientSampleId :

VN0808WBSD01

Tot Ion:	53	Resp:	491549
Ion Ratio		Lower	Upper
53	100		
52	83.1	64.9	97.3
51	35.6	27.8	41.6

Manual Integrations
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8/9/2019 9:28:00 AM



#16

Acetone

Concen: 110.460 ug/l

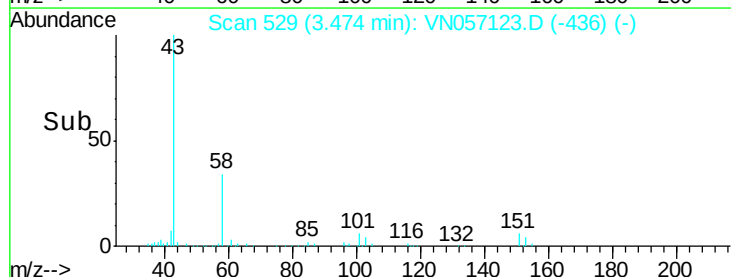
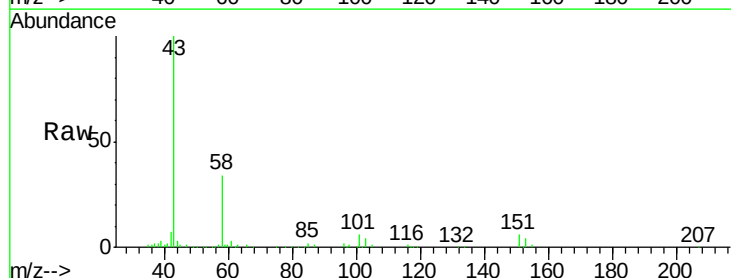
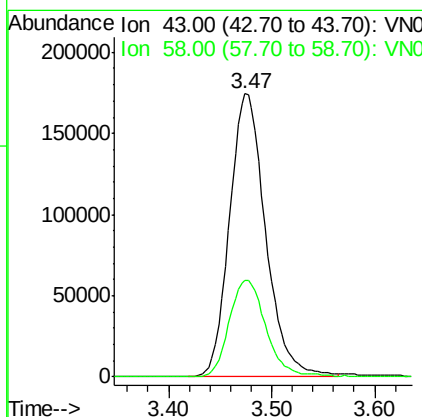
RT: 3.47 min Scan# 529

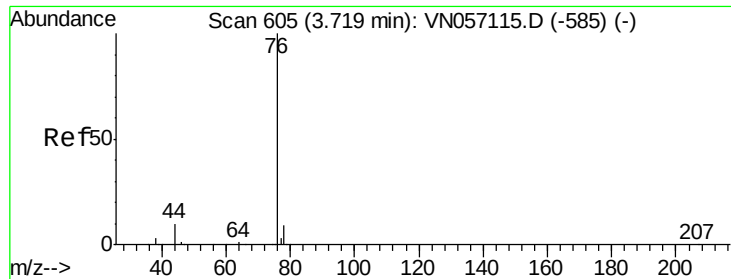
Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	43	Resp:	423668
Ion Ratio		Lower	Upper
43	100		
58	34.3	27.4	41.2





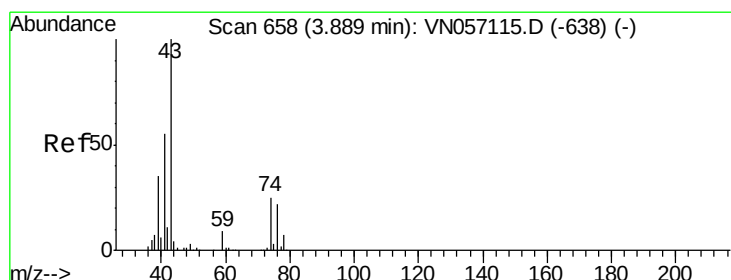
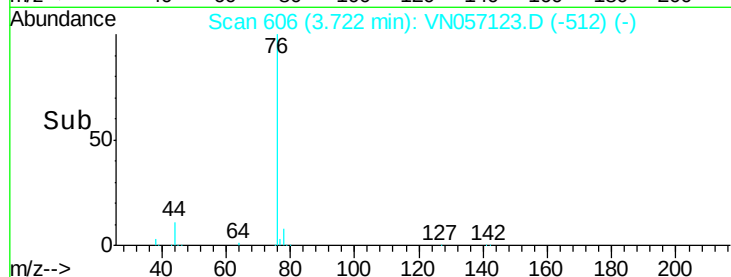
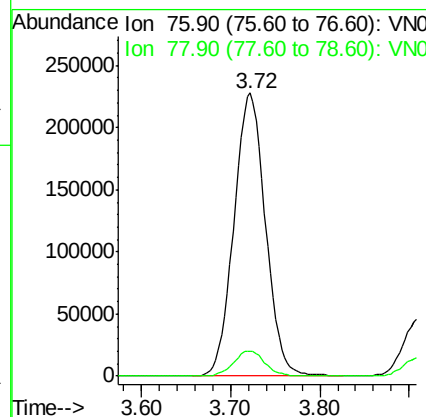
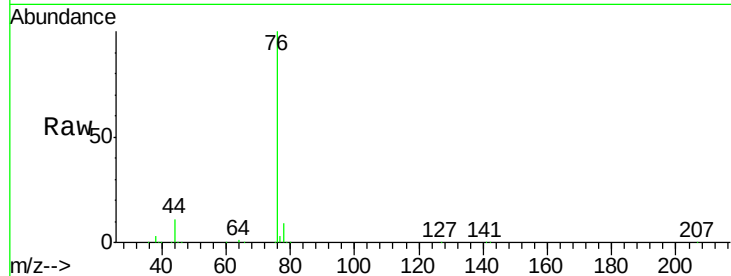
#17
Carbon Disulfide
Concen: 19.954 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

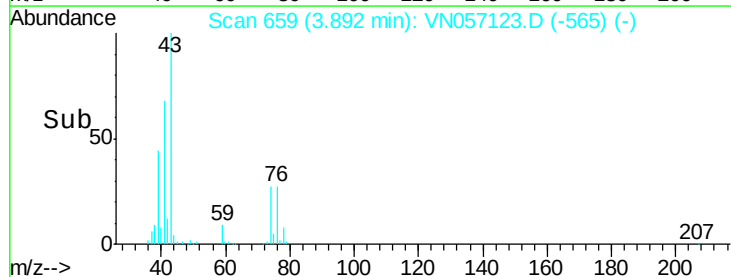
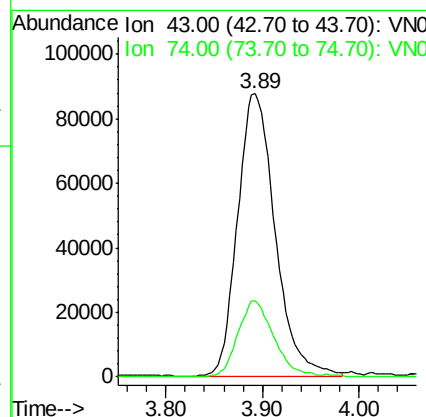
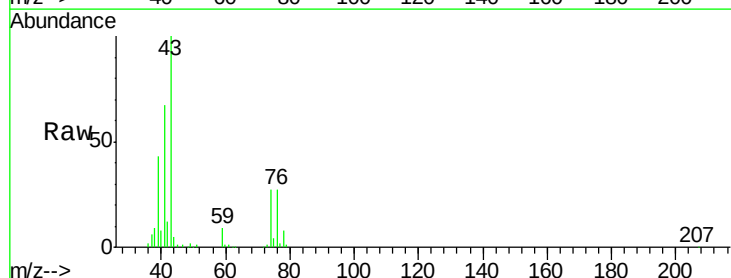
Manual Integrations
APPROVED

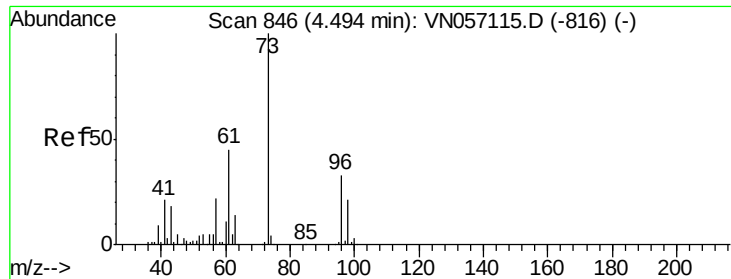
MMDadoda
8/9/2019 9:28:00 AM



#18
Methyl Acetate
Concen: 20.317 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.2	30.4





#19

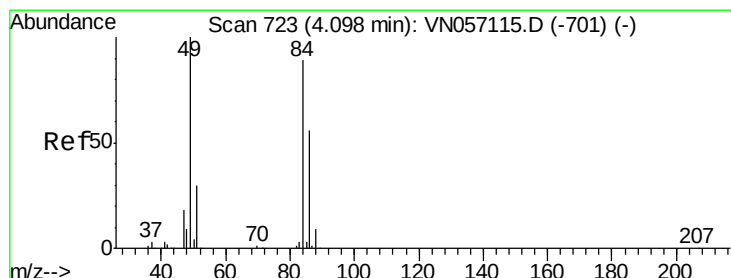
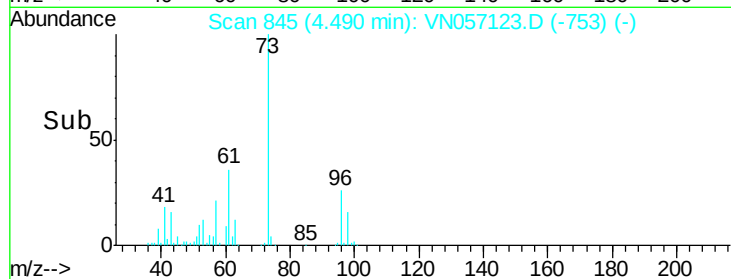
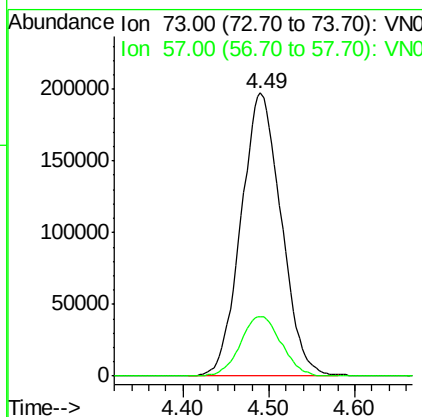
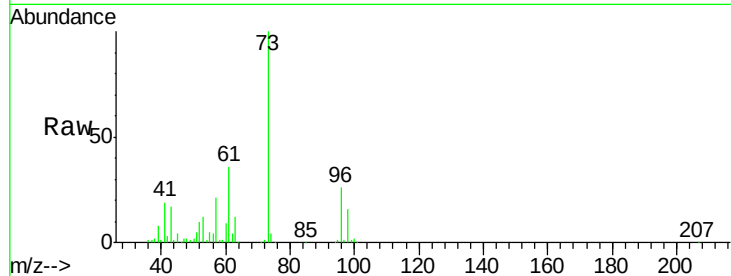
Methyl tert-butyl Ether
 Concen: 20.228 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	73	Resp	641692
Ion Ratio	100	Lower	Upper
73	100	18.0	27.0
57	21.1		

Manual Integrations
 APPROVED

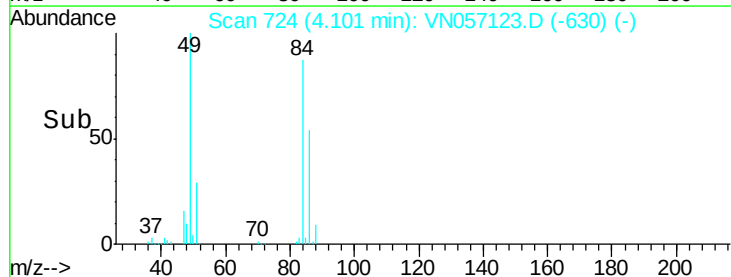
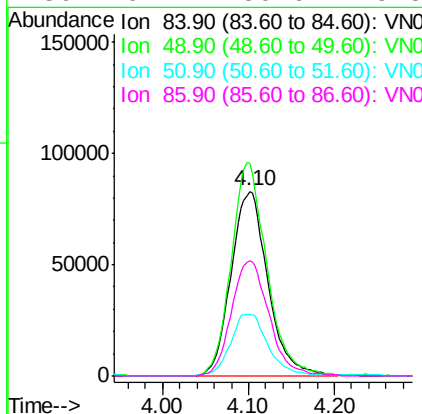
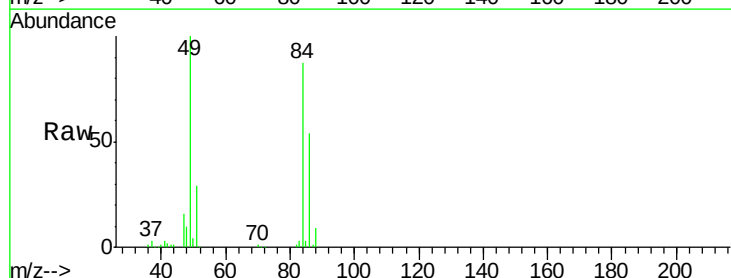
MMDadoda
 8/9/2019 9:28:00 AM

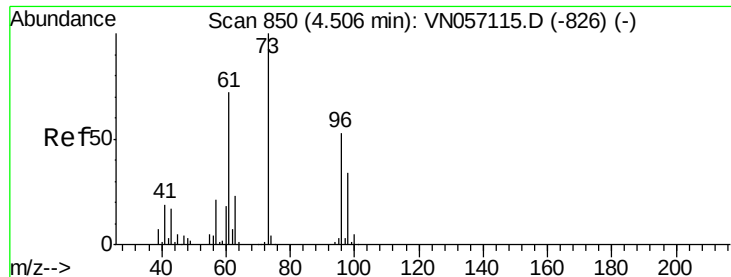


#20

Methylene Chloride
 Concen: 19.532 ug/l
 RT: 4.10 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	84	Resp	247241
Ion Ratio	100	Lower	Upper
84	100	89.5	134.3
49	115.0	27.2	40.8
51	33.3	50.6	75.8
86	62.4		





#21

trans-1,2-Dichloroethene

Concen: 19.750 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

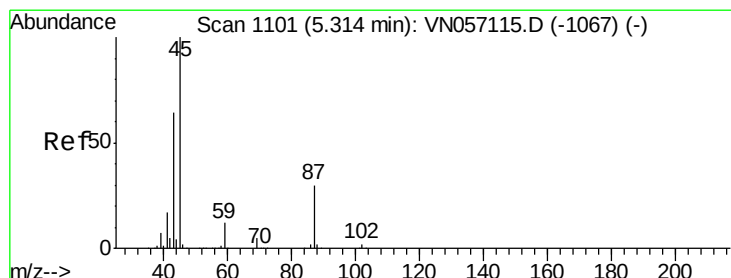
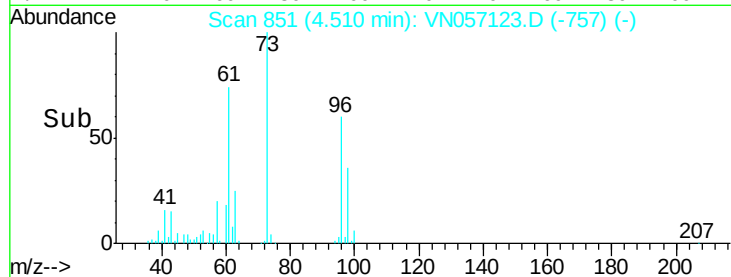
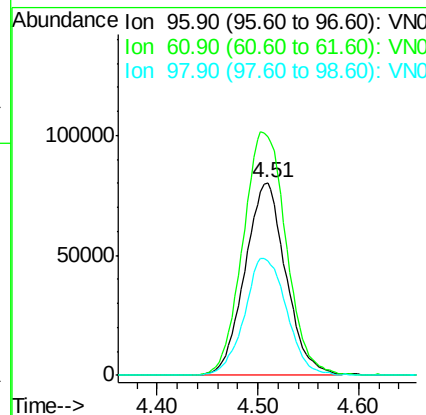
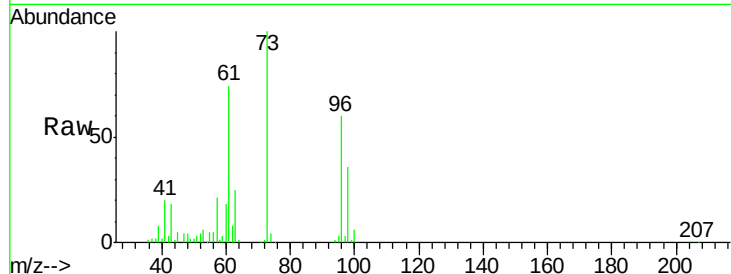
ClientSampled :

VN0808WBSD01

Tot Ion:	96	Resp:	226069
Ion	Ratio	Lower	Upper
96	100		
61	123.7	108.1	162.1
98	59.3	50.5	75.7

Manual Integrations
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8/9/2019 9:28:00 AM



#22

Diisopropyl ether

Concen: 20.315 ug/l

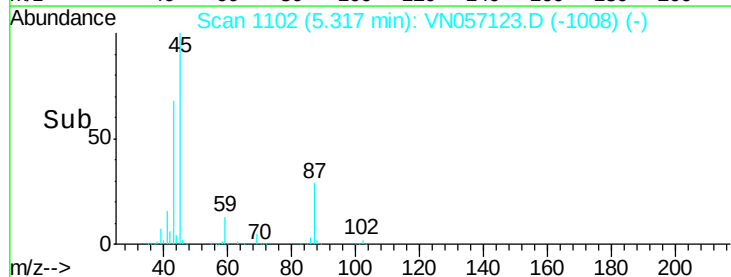
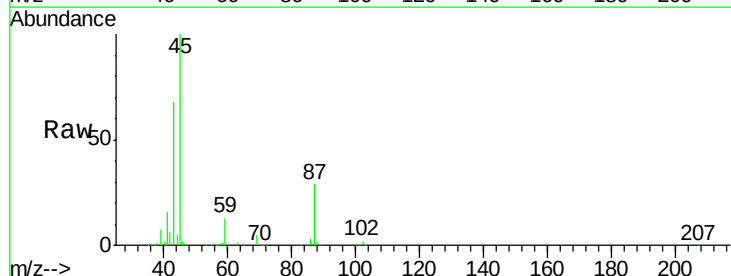
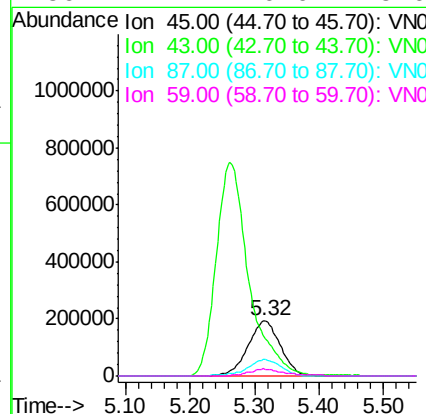
RT: 5.32 min Scan# 1102

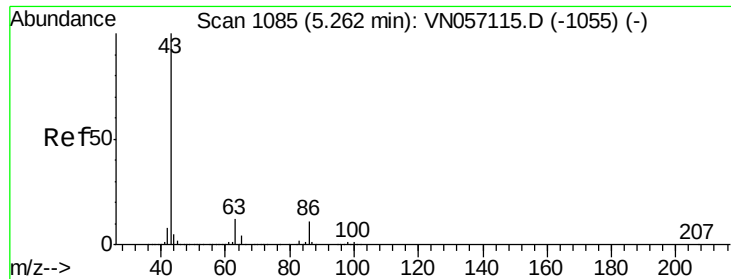
Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	45	Resp:	676678
Ion	Ratio	Lower	Upper
45	100		
43	66.2	54.1	81.1
87	29.1	24.0	36.0
59	12.7	10.0	15.0





#23

Vinyl Acetate

Concen: 103.075 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

Tot Ion: 43 Resp: 2629110

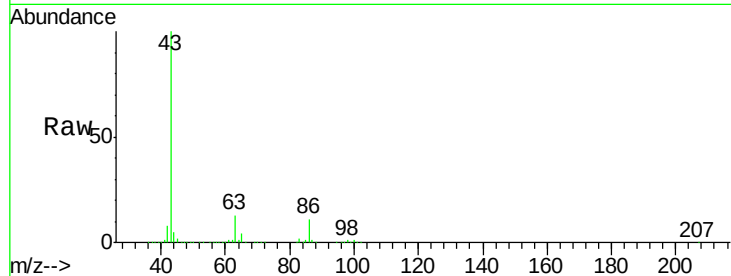
Ion Ratio Lower Upper

43 100

86 11.4 9.2 13.8

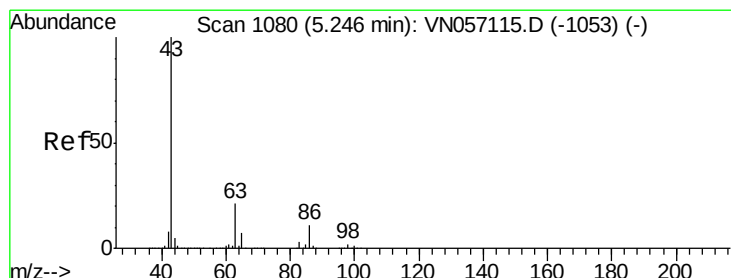
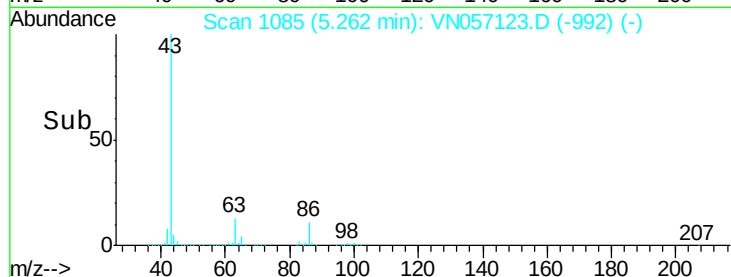
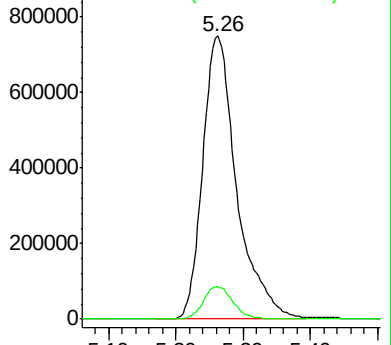
Manual Integrations
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8/9/2019 9:28:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.830 ug/l

RT: 5.25 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

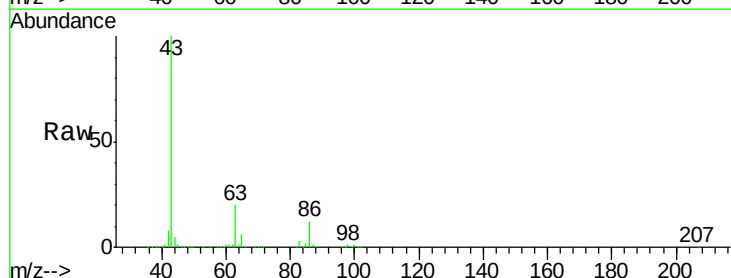
Tgt Ion: 63 Resp: 406043

Ion Ratio Lower Upper

63 100

98 6.4 3.8 11.2

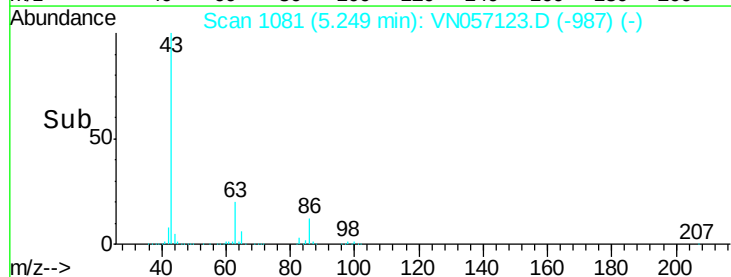
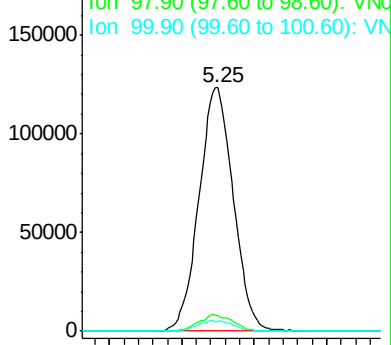
100 4.0 2.1 6.3

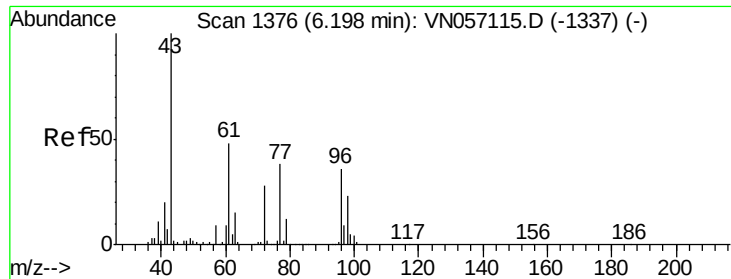


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





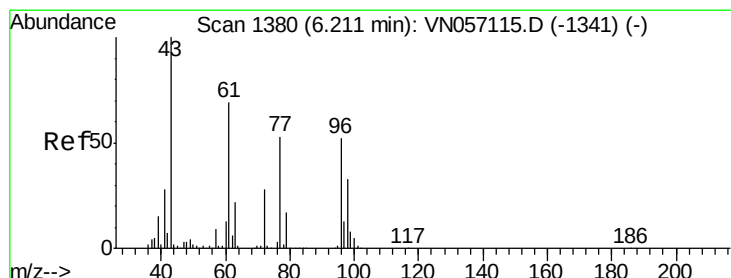
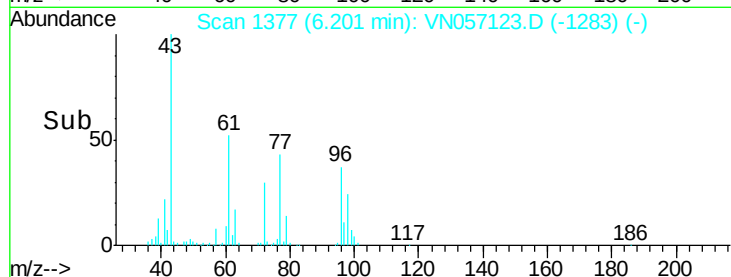
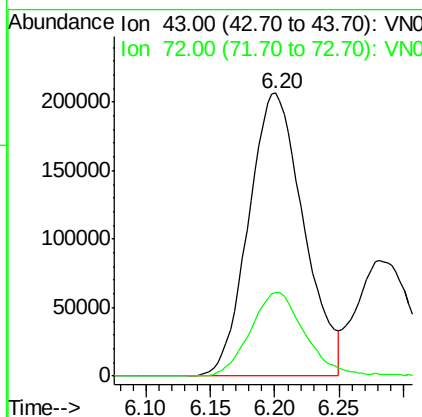
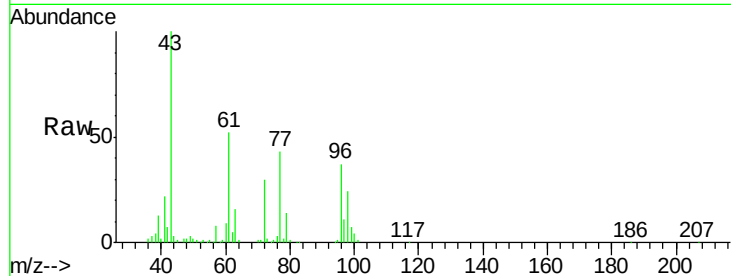
#25
2-Butanone
Concen: 104.236 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion: 43 Resp: 610829
Ion Ratio Lower Upper
43 100
72 29.8 22.2 33.4

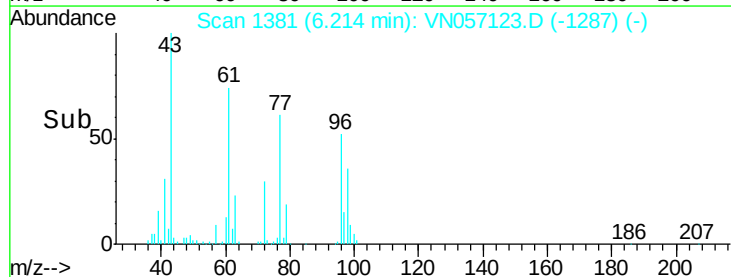
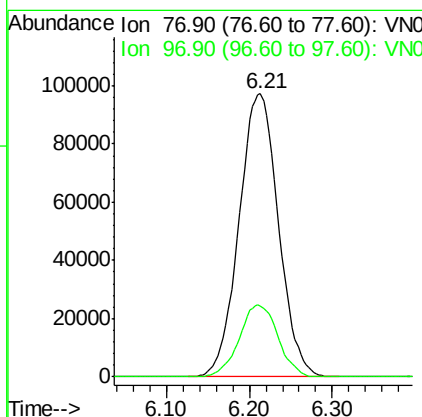
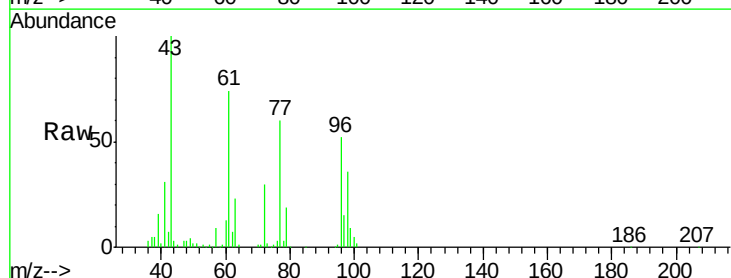
Manual Integrations
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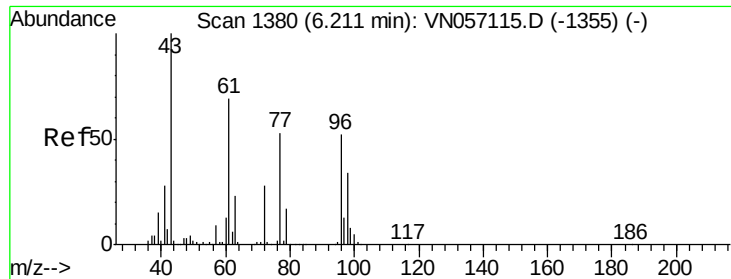
MMDadoda
8/9/2019 9:28:00 AM



#26
2,2-Dichloropropane
Concen: 21.572 ug/l
RT: 6.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 77 Resp: 321367
Ion Ratio Lower Upper
77 100
97 25.0 12.3 36.8





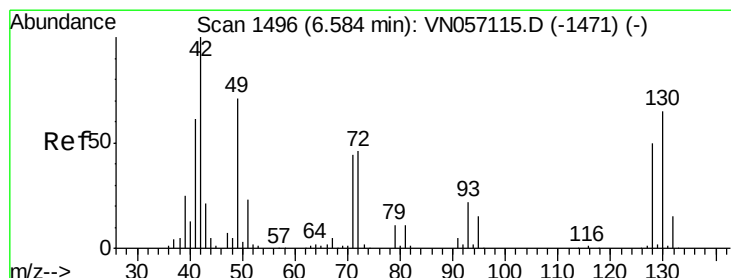
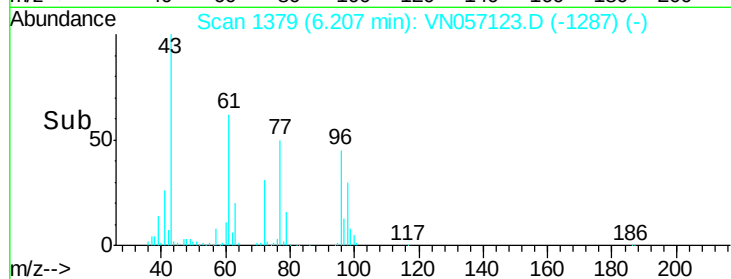
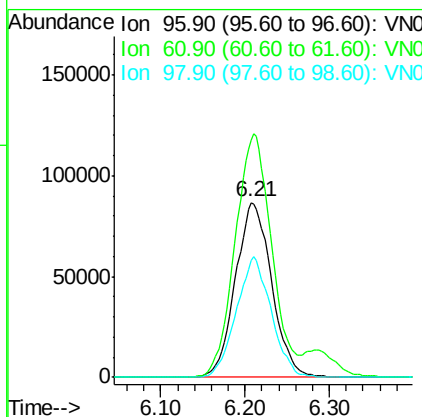
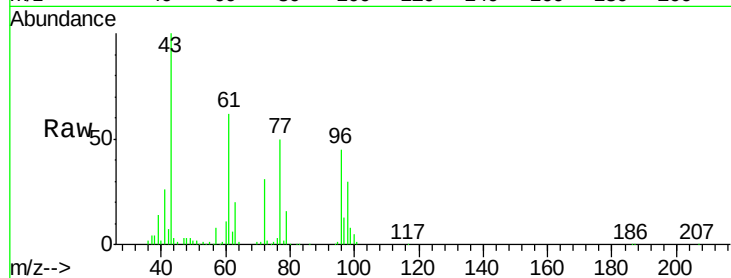
#27
 cis-1,2-Dichloroethene
 Concen: 19.750 ug/l
 RT: 6.21 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	258990		
61	140.3	0.0	273.4	
98	66.4	0.0	130.4	

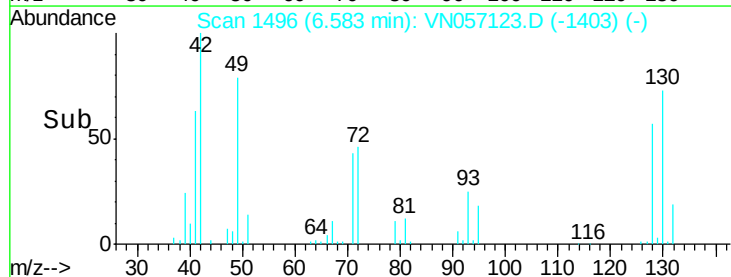
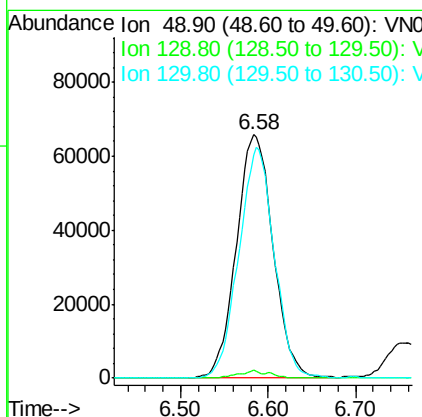
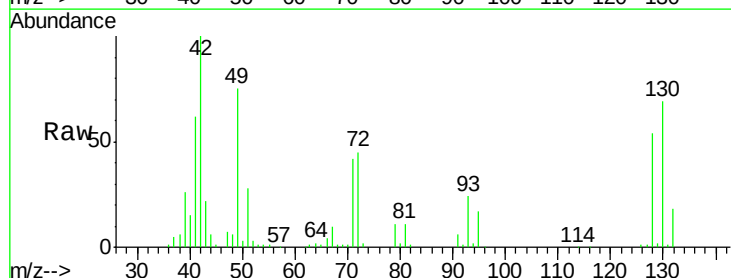
Manual Integrations
 APPROVED

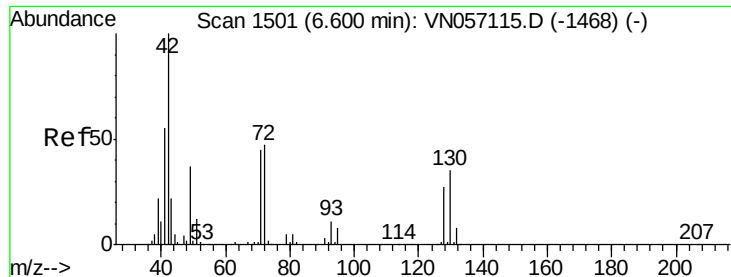
MMDadoda
 8/9/2019 9:28:00 AM



#28
 Bromochloromethane
 Concen: 20.366 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	191817		
129	1.9	0.0	4.8	
130	91.3	73.8	110.8	





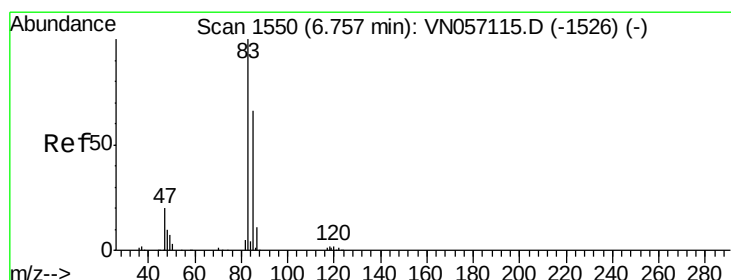
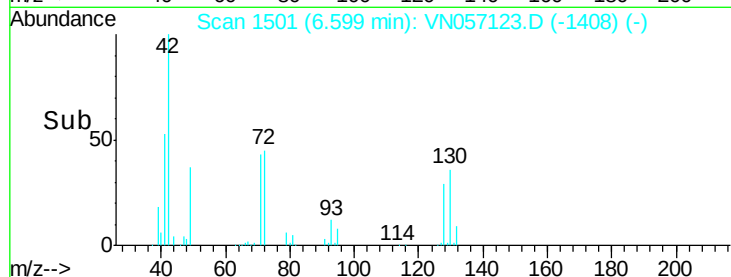
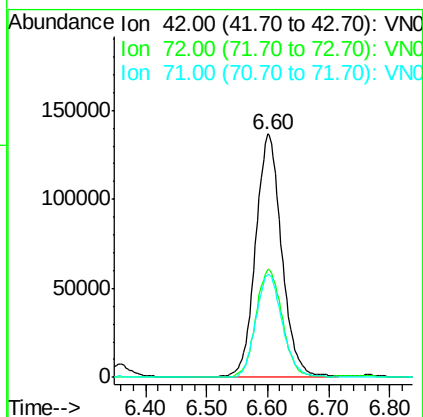
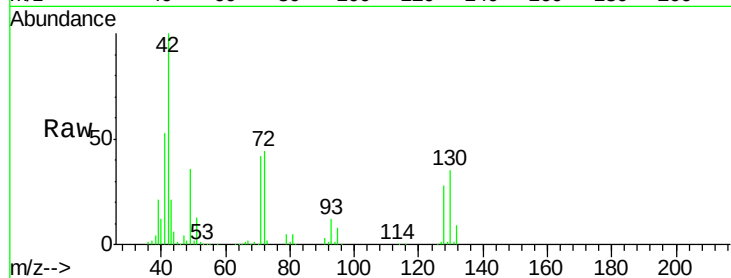
#29
Tetrahydrofuran
Concen: 103.144 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.1	55.7
71	42.7	34.8	52.2

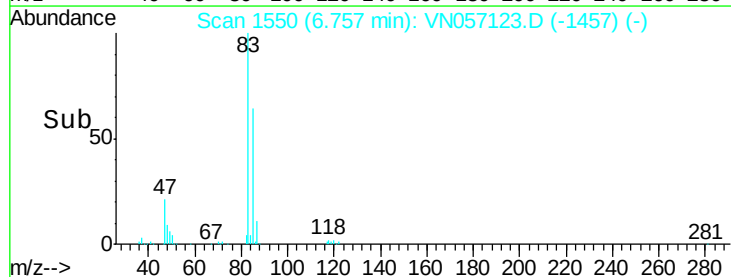
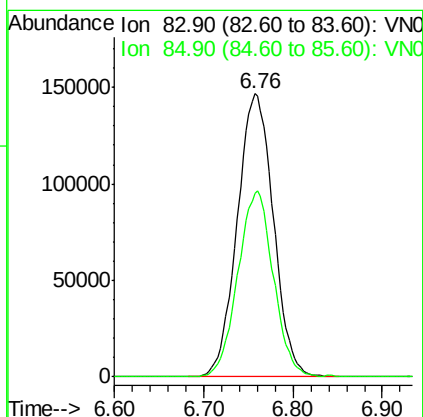
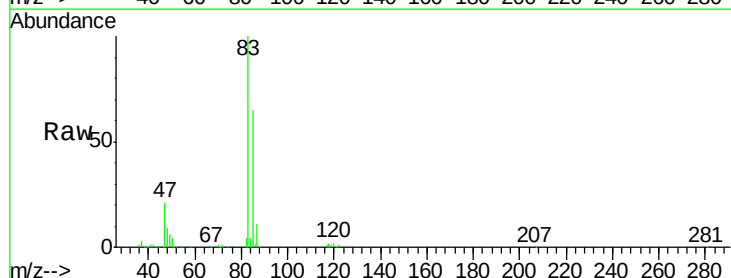
Manual Integrations
APPROVED

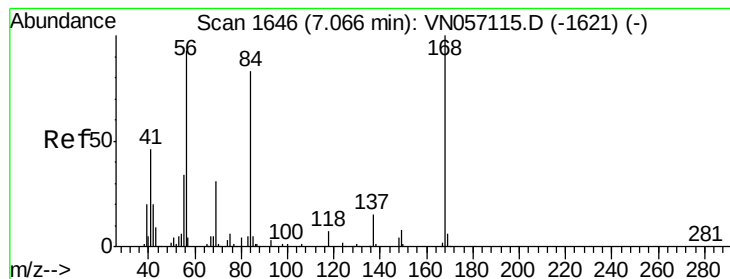
MMDadoda
8/9/2019 9:28:00 AM



#30
Chloroform
Concen: 19.461 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





#31

Cyclohexane

Concen: 19.326 ug/l

RT: 7.07 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

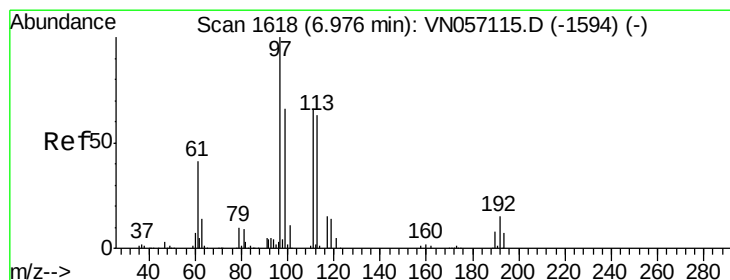
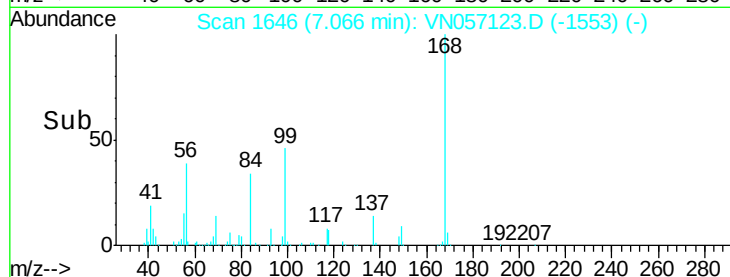
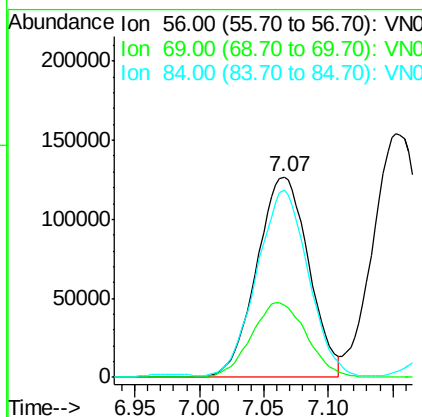
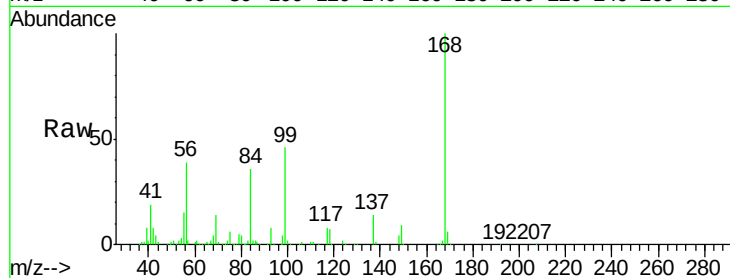
ClientSampleId :

VN0808WBSD01

Tot Ion:	56	Resp:	356022
Ion	Ratio	Lower	Upper
56	100		
69	36.2	26.9	40.3
84	91.8	71.9	107.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.465 ug/l

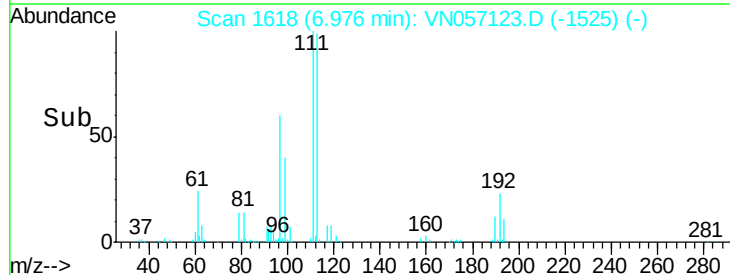
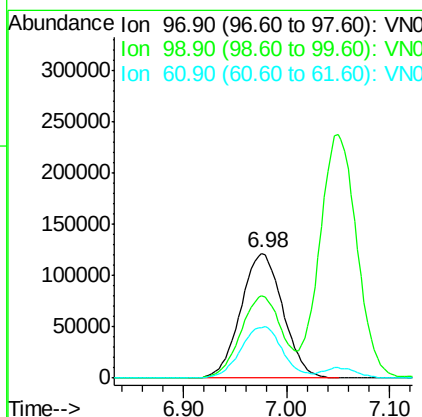
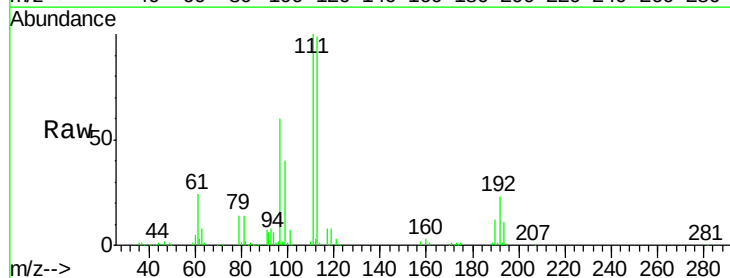
RT: 6.98 min Scan# 1618

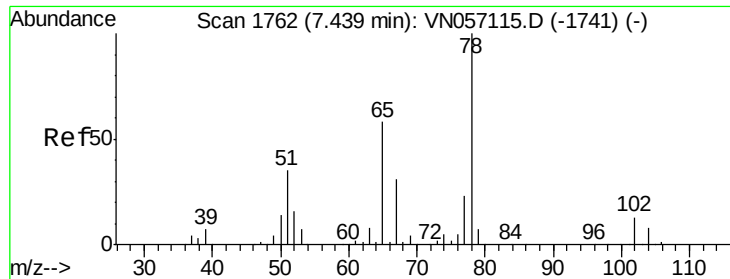
Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	97	Resp:	346054
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	40.9	32.7	49.1





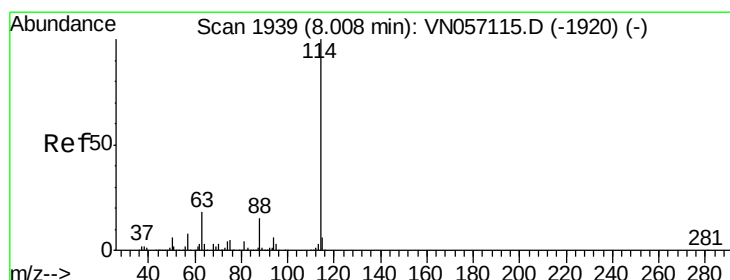
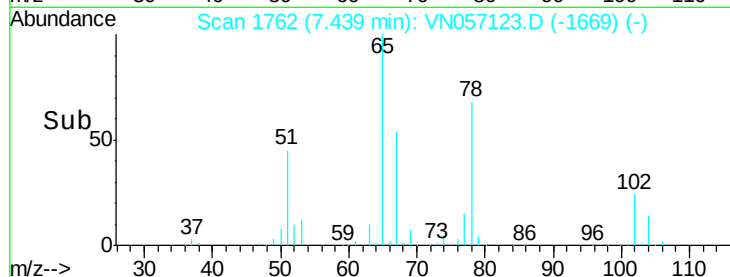
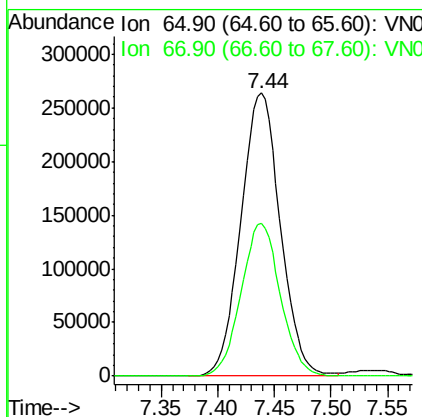
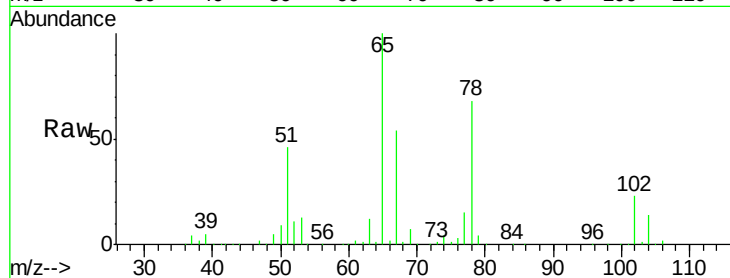
#33
 1,2-Dichloroethane-d4
 Concen: 50.496 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	641309		
67	53.8	0.0	108.2	

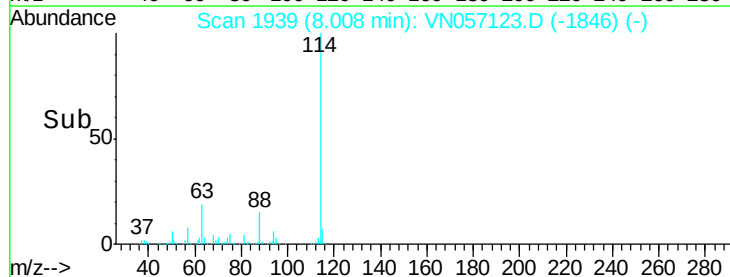
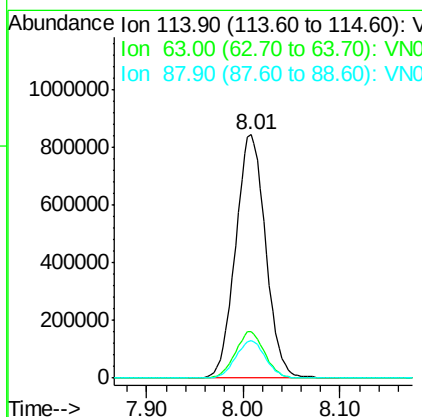
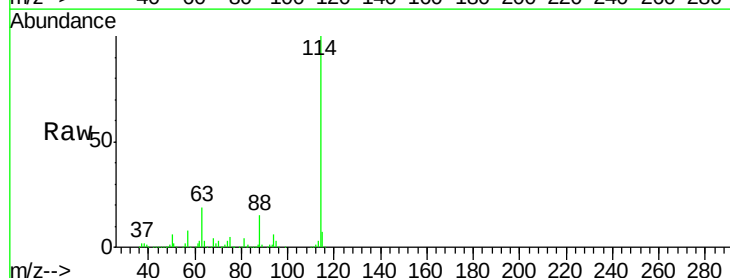
Manual Integrations
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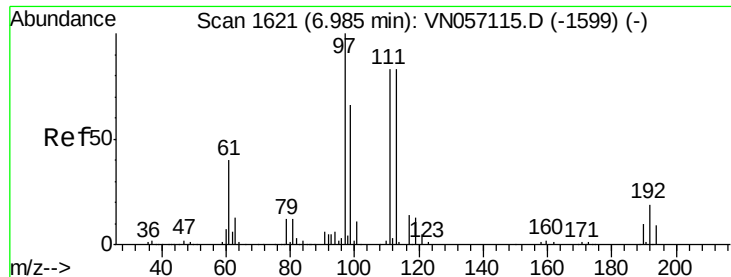
MMDadoda
 8/9/2019 9:28:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1824327		
63	19.0	0.0	36.2	
88	15.2	0.0	30.0	





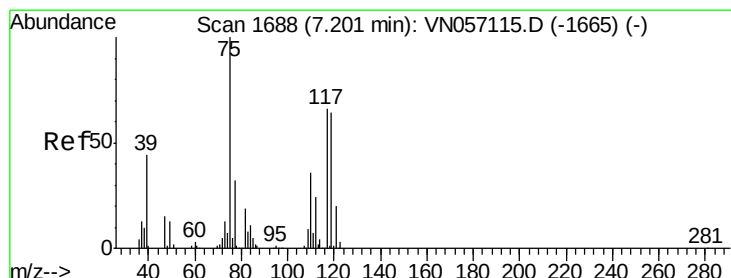
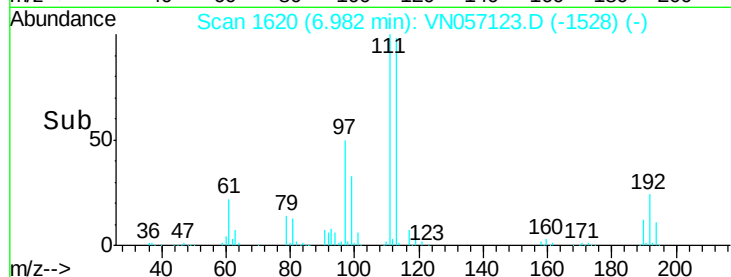
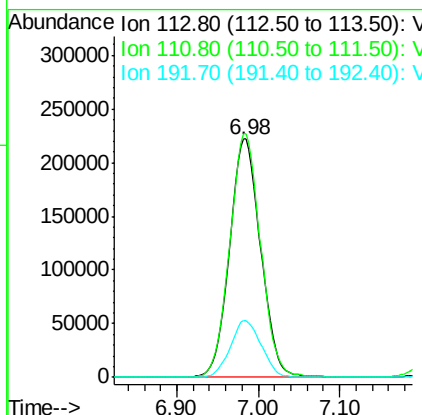
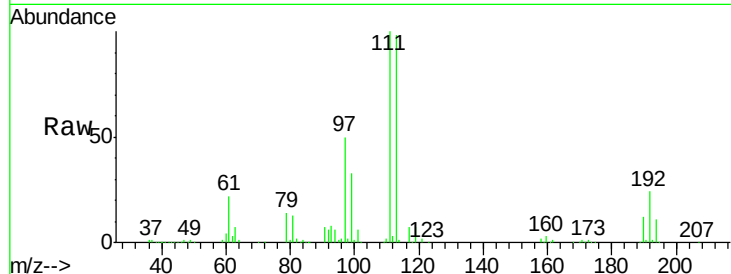
#35
 Dibromofluoromethane
 Concen: 51.721 ug/l
 RT: 6.98 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	592092		
111	101.6	81.3	121.9	
192	23.8	19.0	28.4	

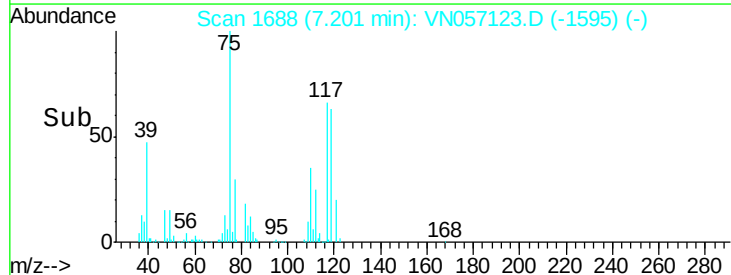
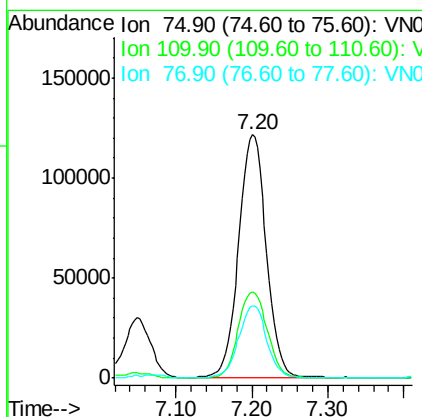
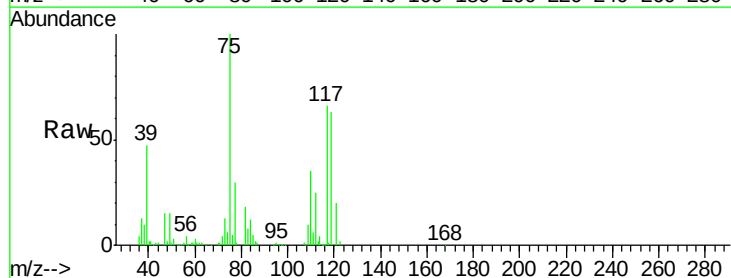
Manual Integrations
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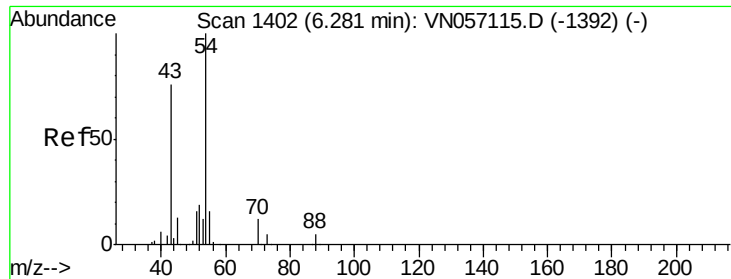
MMDadoda
 8/9/2019 9:28:00 AM



#36
 1,1-Dichloropropene
 Concen: 20.441 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	307037		
110	37.5	18.7	56.1	
77	30.5	25.0	37.4	





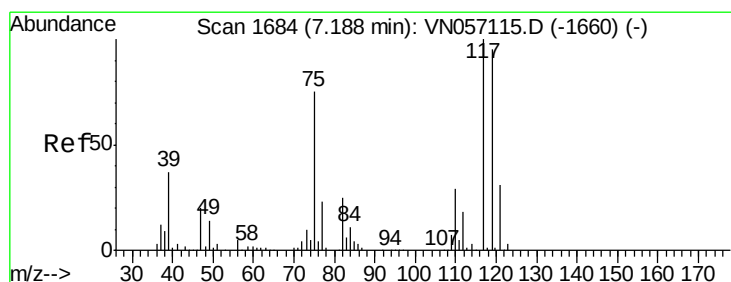
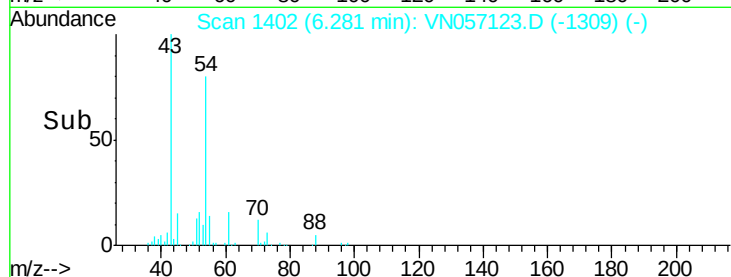
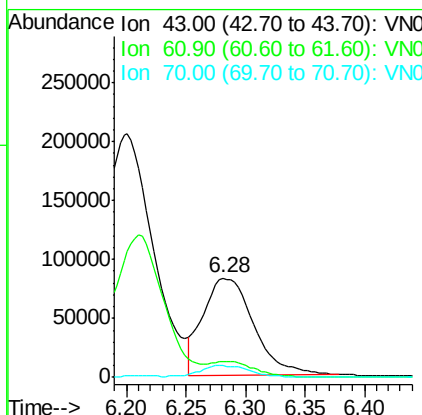
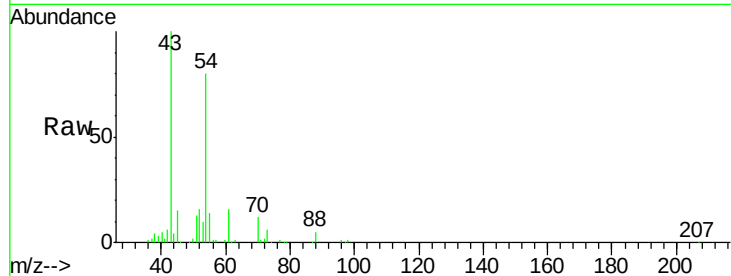
#37
Ethyl Acetate
Concen: 19.767 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	244857		
61	0.0	0.0	0.0	0.0
70	12.2	9.1	13.7	

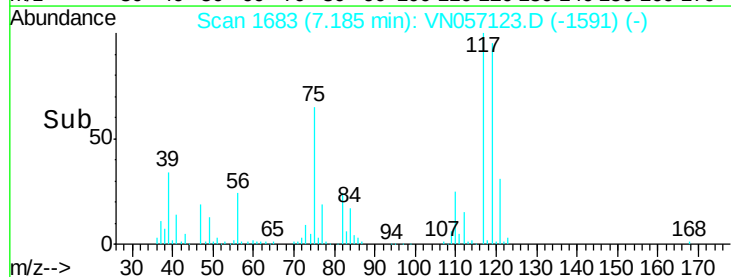
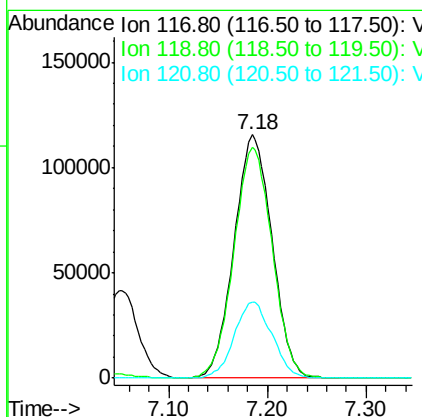
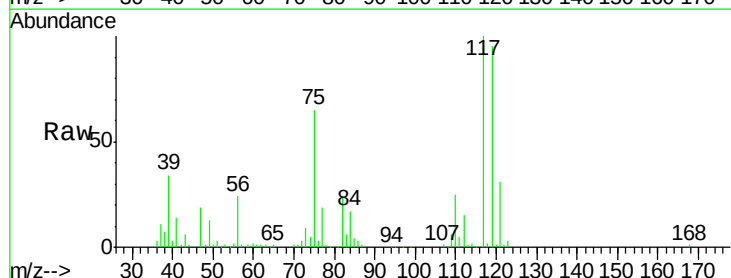
Manual Integrations
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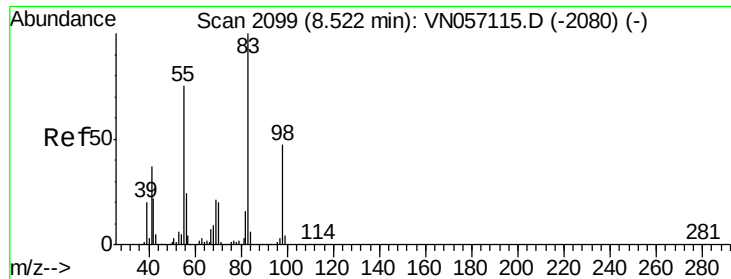
MMDadoda
8/9/2019 9:28:00 AM



#38
Carbon Tetrachloride
Concen: 19.714 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	308601		
119	94.4	75.8	113.6	
121	31.3	24.4	36.6	





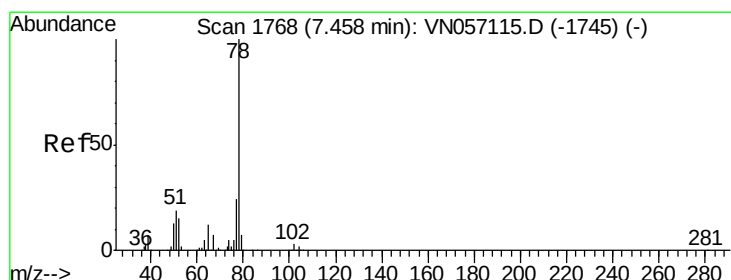
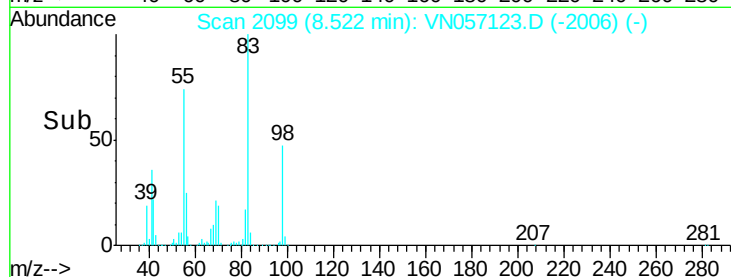
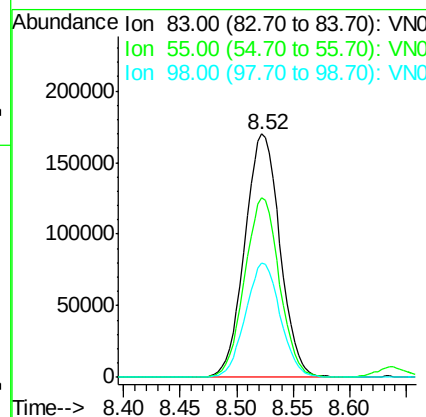
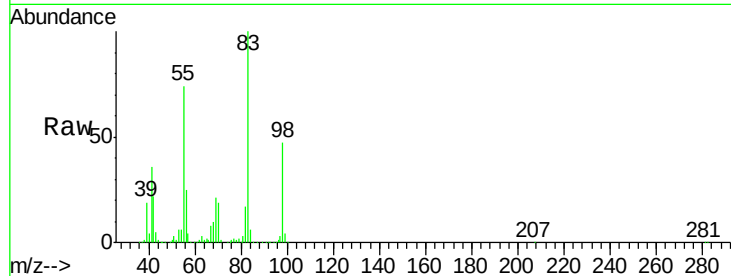
#39
Methylvlcyclohexane
Concen: 20.180 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	83	Resp	368618
Ion Ratio	Lower	Upper	
83	100		
55	73.8	60.3	90.5
98	46.8	37.9	56.9

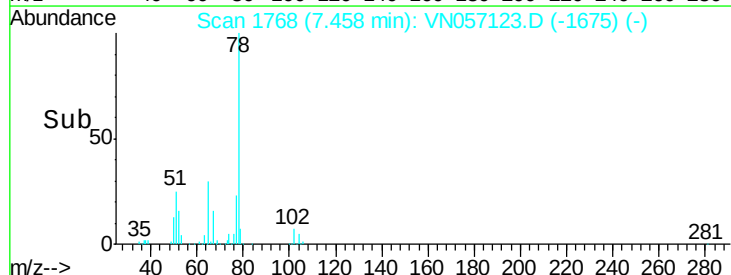
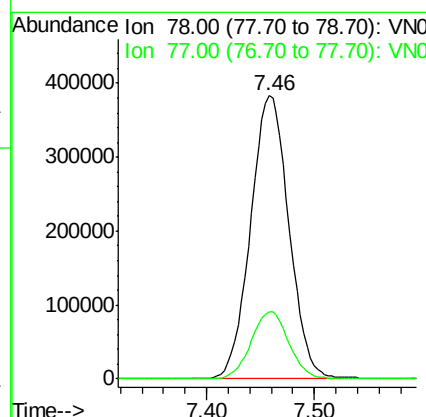
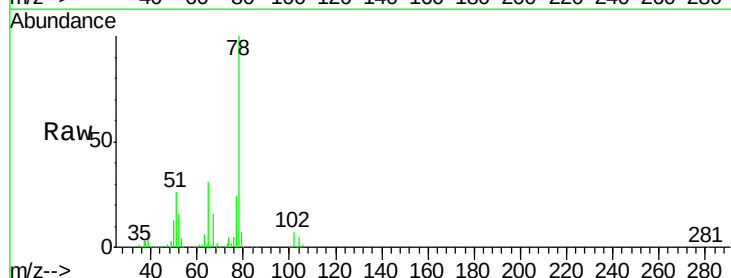
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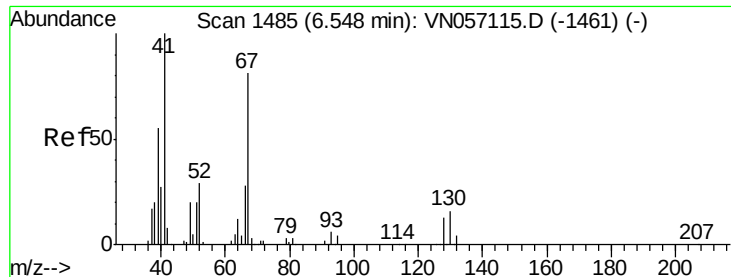
MMDadoda
8/9/2019 9:28:00 AM



#40
Benzene
Concen: 19.865 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	78	Resp	944629
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.2	28.8





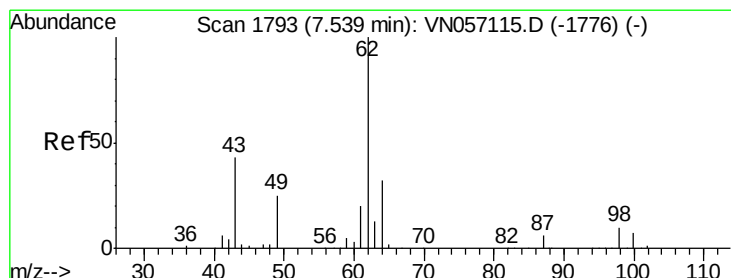
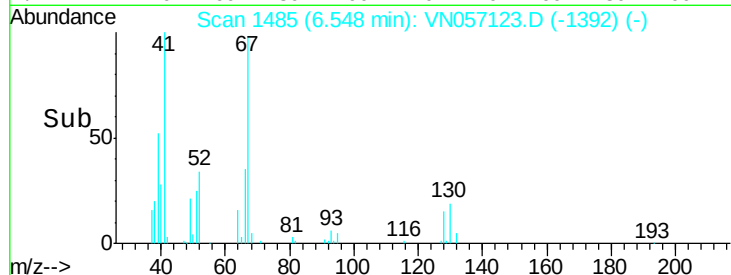
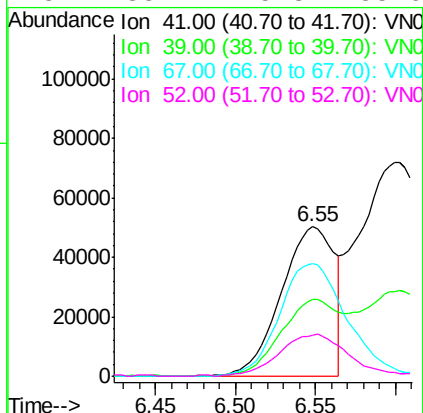
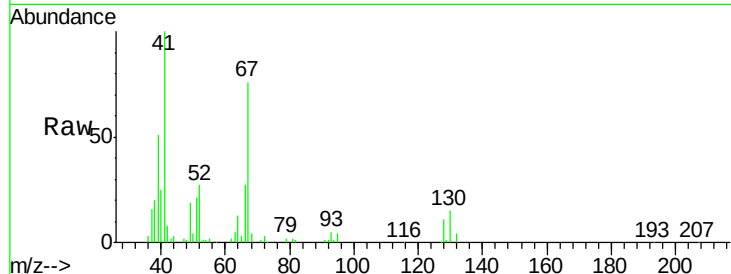
#41
Methacrylonitrile
Concen: 18.512 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	41	Resp	116434
Ion Ratio	Lower	Upper	
41	100		
39	55.2	44.9	67.3
67	95.2	69.1	103.7
52	35.1	25.8	38.6

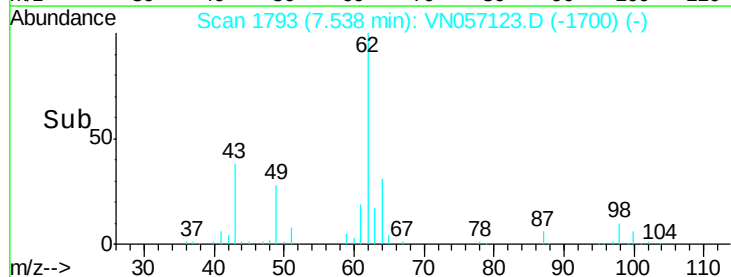
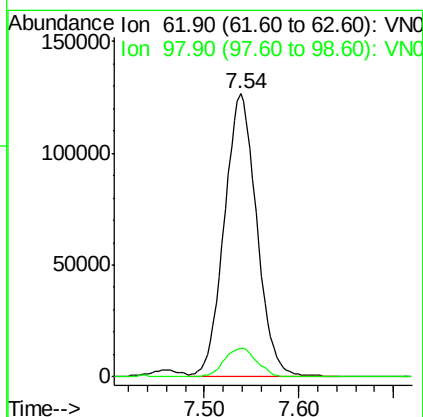
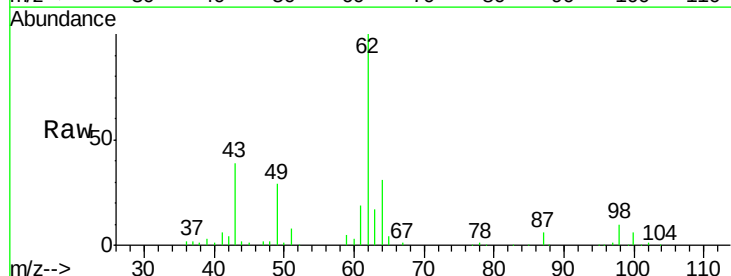
Manual Integrations
APPROVED

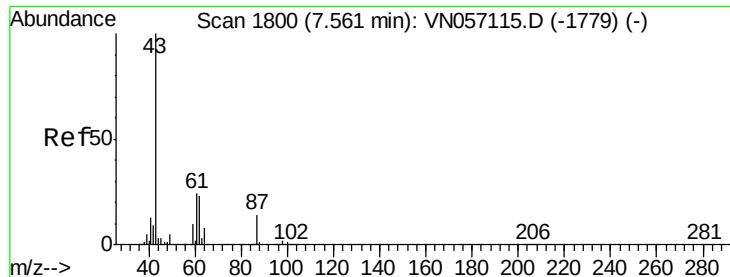
MMDadoda
8/9/2019 9:28:00 AM



#42
1,2-Dichloroethane
Concen: 19.794 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	62	Resp	300181
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.608 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

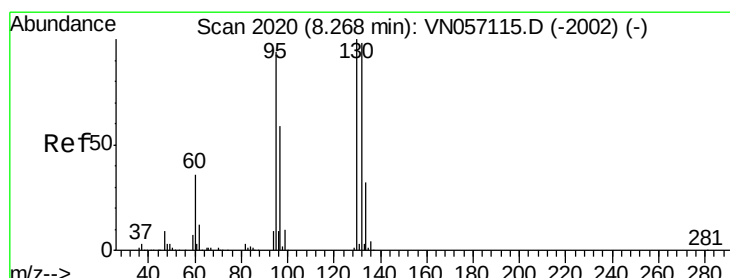
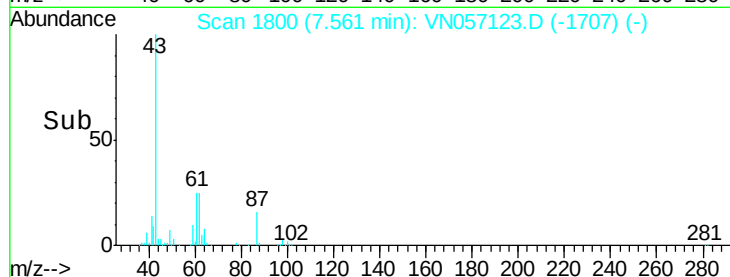
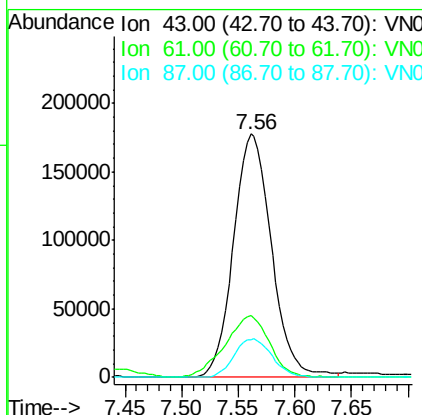
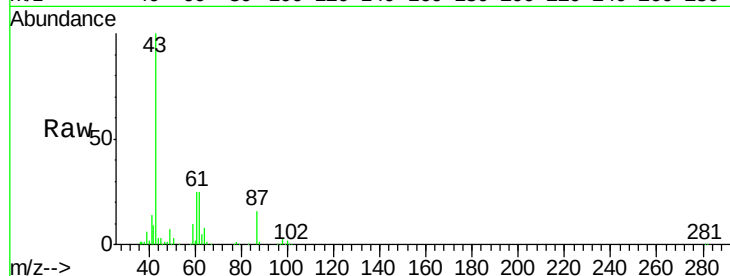
ClientSampleId :

VN0808WBSD01

Tot Ion:	43	Resp:	414322
Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.2	36.2
87	15.9	11.8	17.8

Manual Integrations
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MMDadoda
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#44

Trichloroethene

Concen: 19.950 ug/l

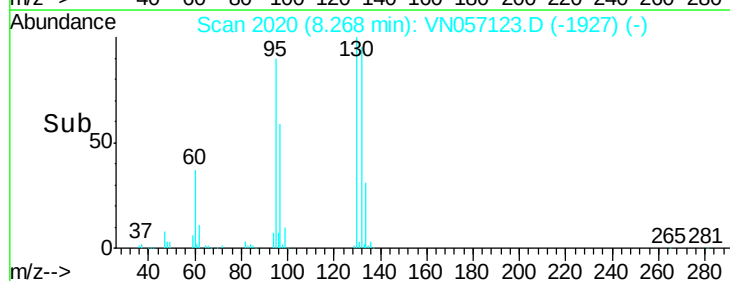
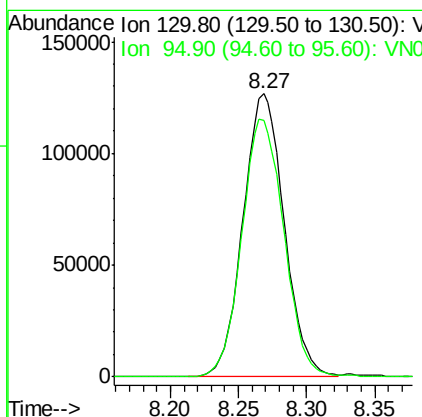
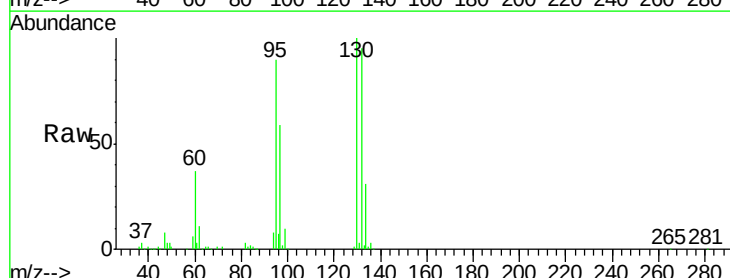
RT: 8.27 min Scan# 2020

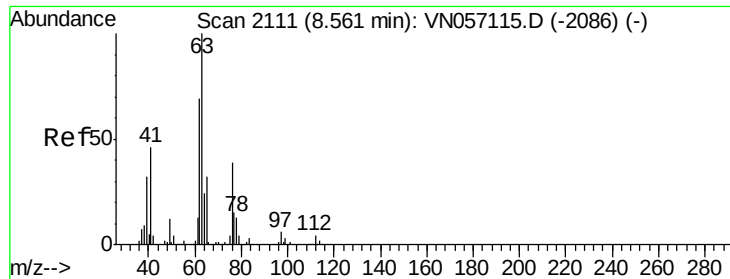
Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	130	Resp:	265773
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	187.4





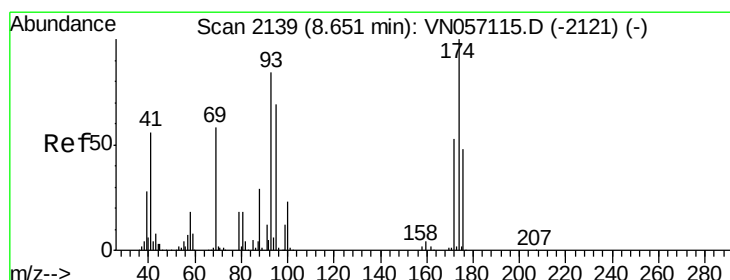
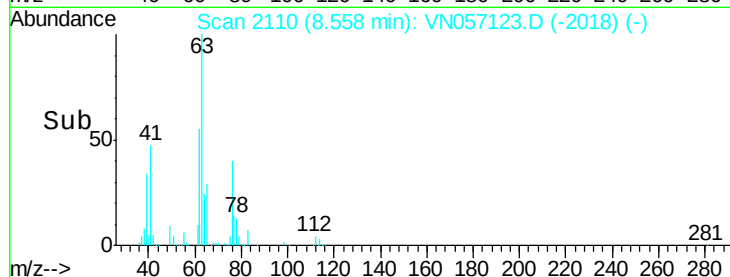
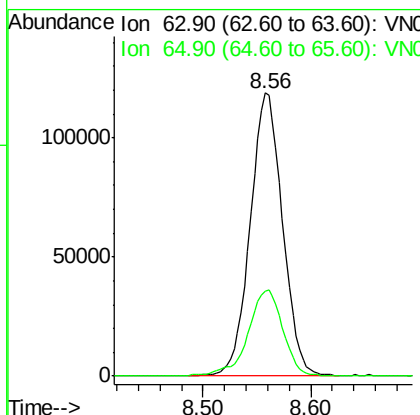
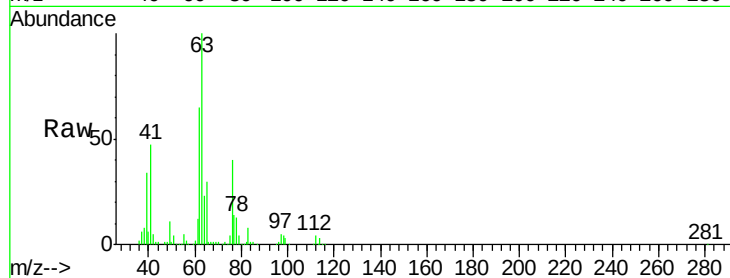
#45
 1,2-Dichloropropane
 Concen: 20.100 ug/l
 RT: 8.56 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.2	37.8

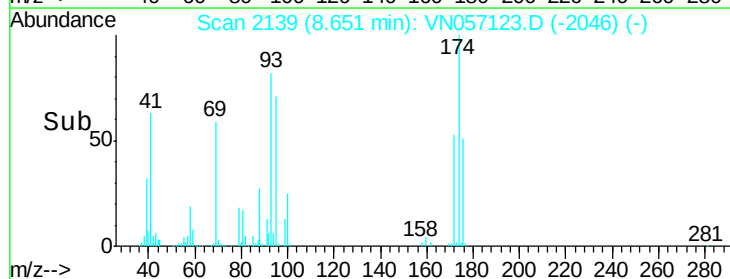
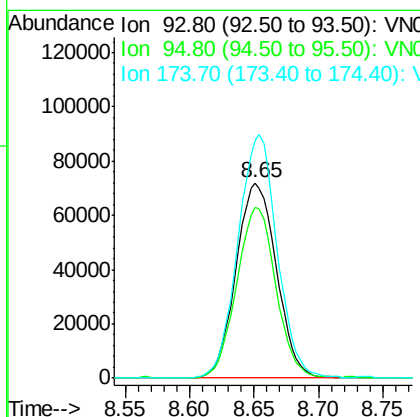
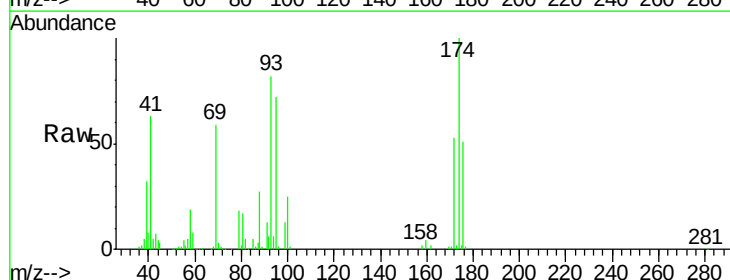
Manual Integrations
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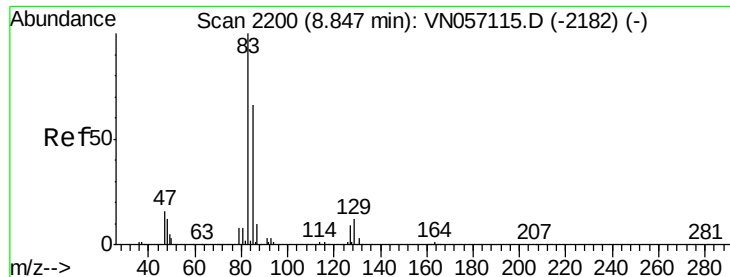
MMDadoda
 8/9/2019 9:28:00 AM



#46
 Dibromomethane
 Concen: 19.936 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.0	99.0
174	120.8	96.0	144.0





#47

Bromodichloromethane

Concen: 20.168 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

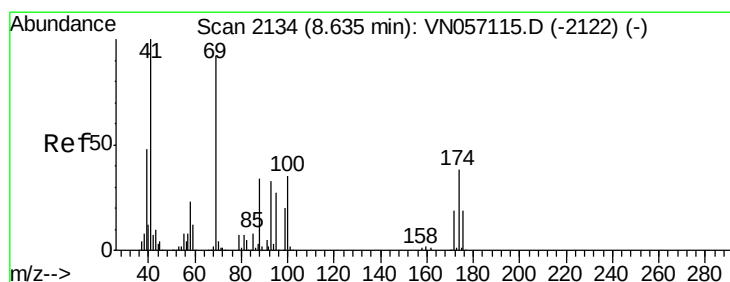
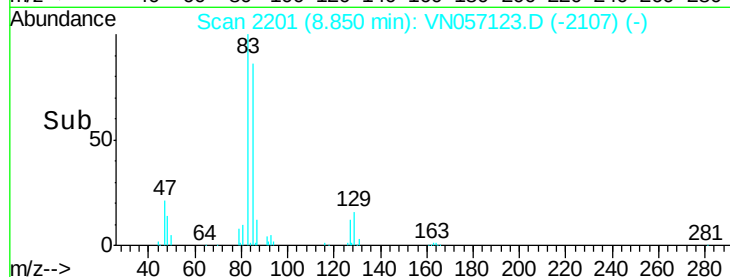
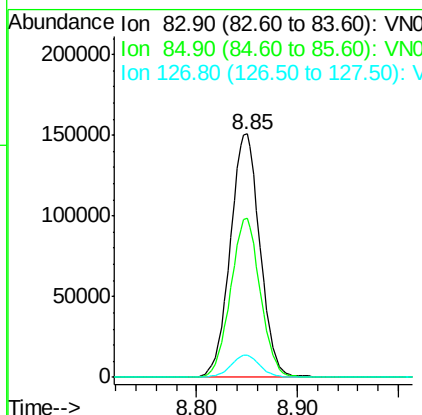
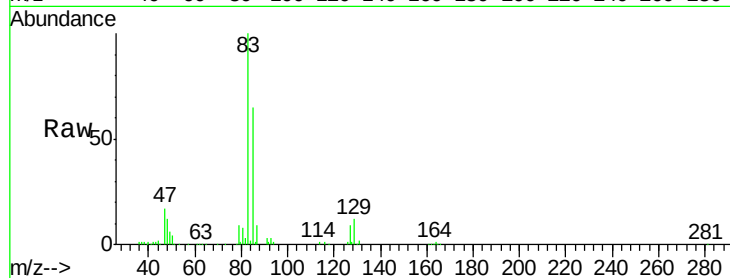
ClientSampleId :

VN0808WBSD01

Tot Ion	83	Resp	308075
Ion Ratio	Lower	Upper	
83	100		
85	65.3	52.6	78.8
127	9.1	7.5	11.3

Manual Integrations
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MMDadoda
8/9/2019 9:28:00 AM



#48

Methyl methacrylate

Concen: 19.743 ug/l

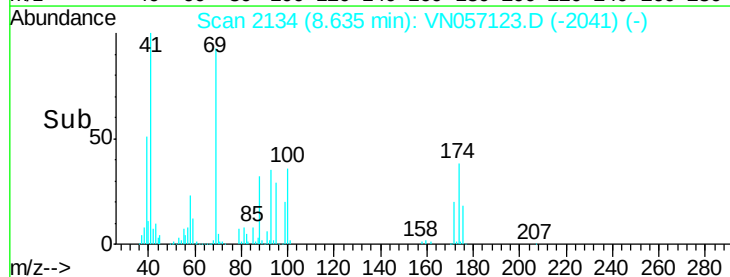
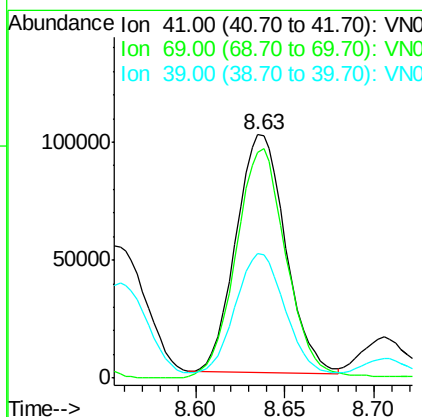
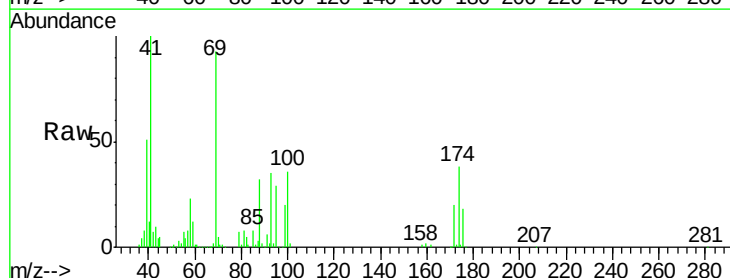
RT: 8.63 min Scan# 2134

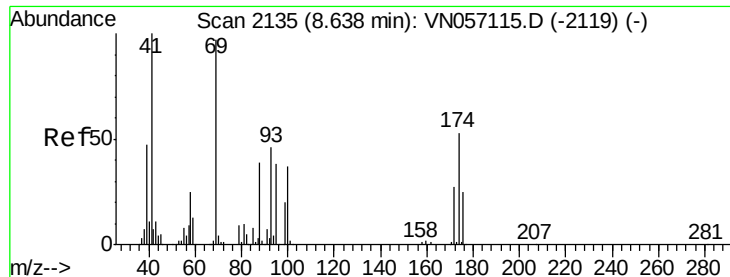
Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion	41	Resp	196713
Ion Ratio	Lower	Upper	
41	100		
69	98.6	77.5	116.3
39	50.1	39.8	59.6





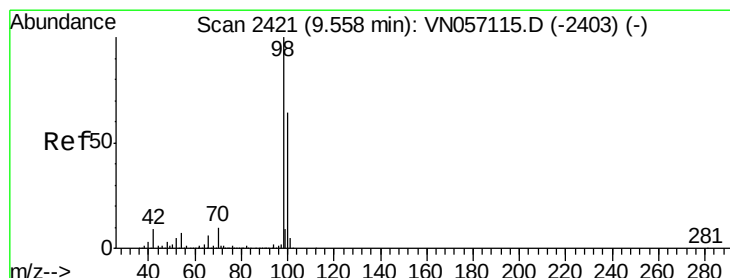
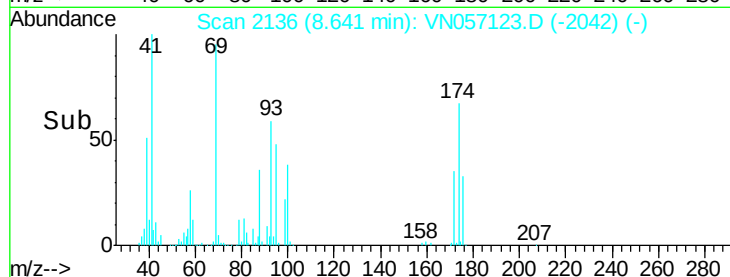
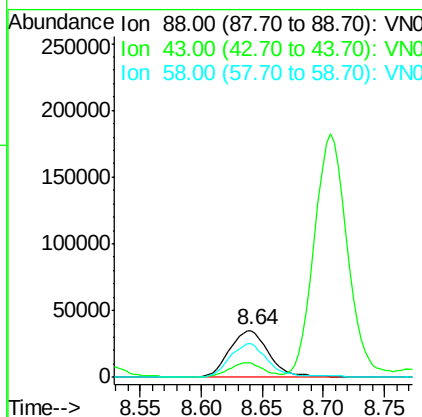
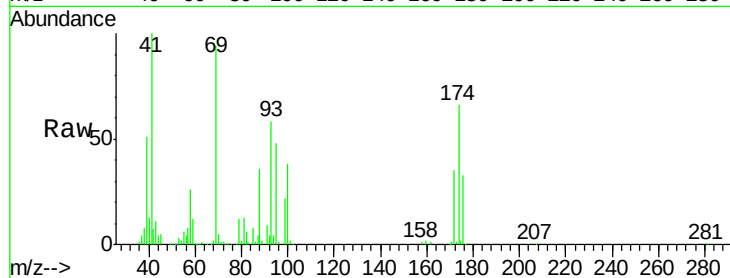
#49
1,4-Dioxane
Concen: 388.266 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.0	21.7	32.5
58	68.9	51.1	76.7

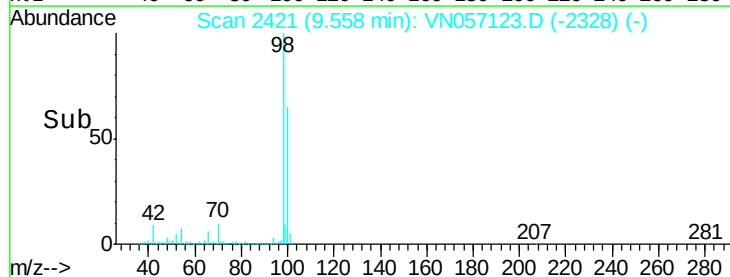
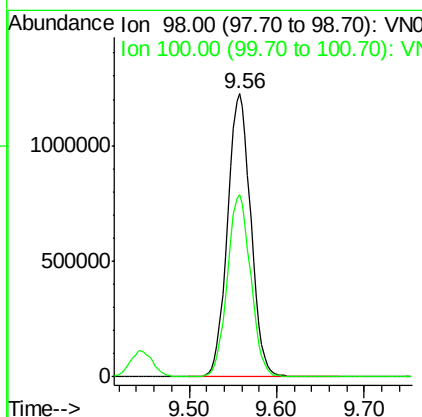
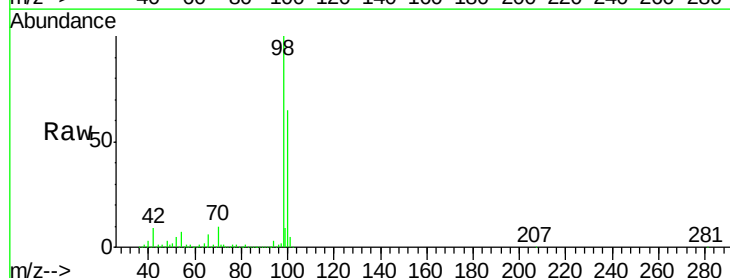
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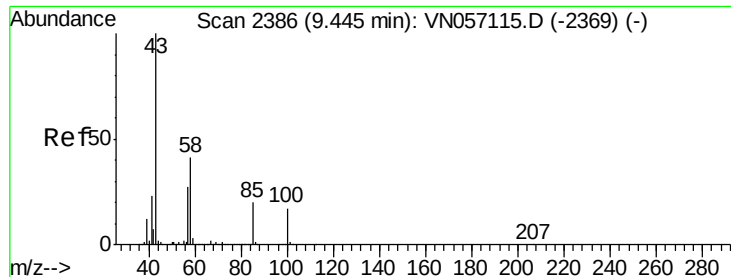
MMDadoda
8/9/2019 9:28:00 AM



#50
Toluene-d8
Concen: 51.616 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





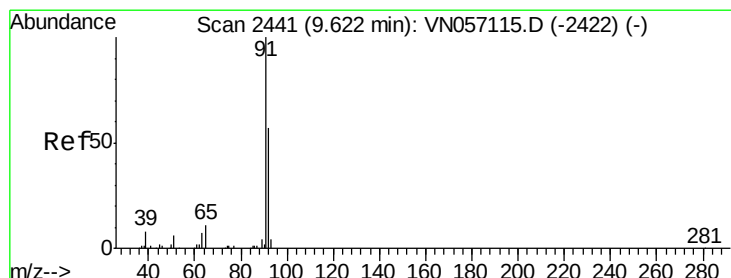
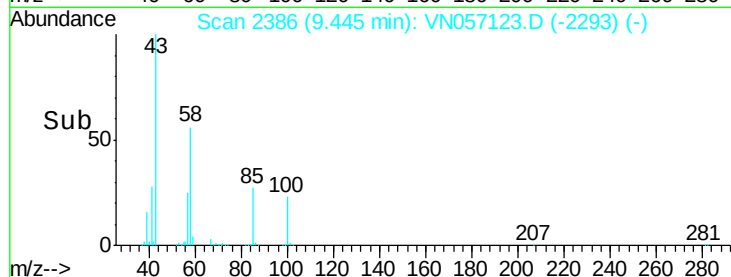
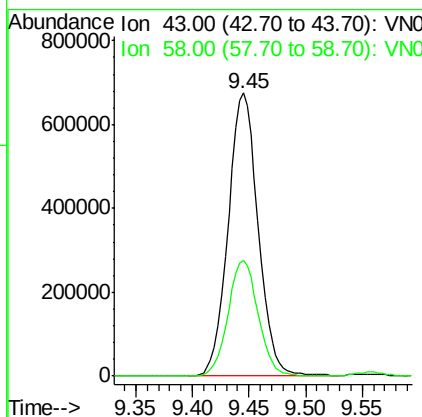
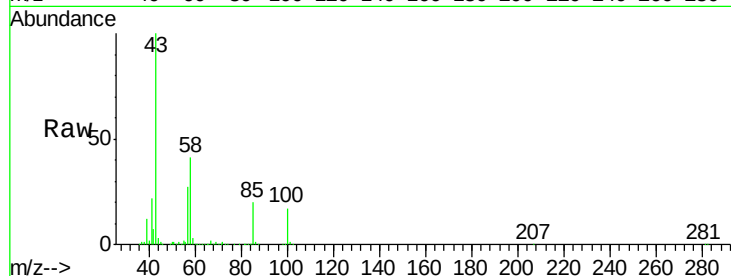
#51
4-Methyl-2-Pentanone
Concen: 101.009 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion: 43 Resp: 1242187
Ion Ratio Lower Upper
43 100
58 41.4 33.2 49.8

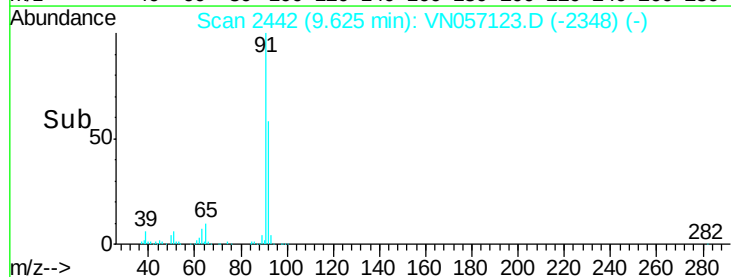
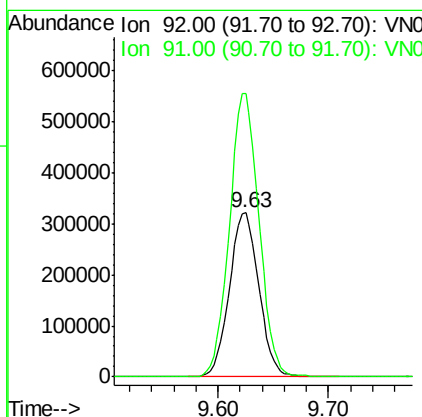
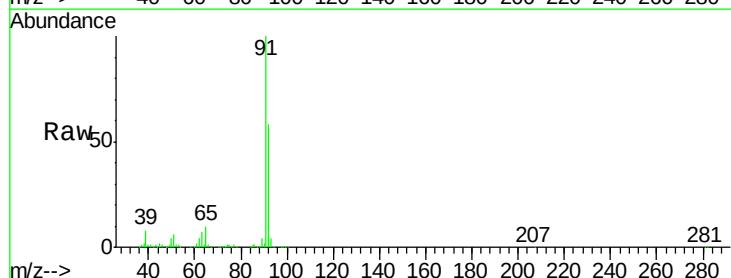
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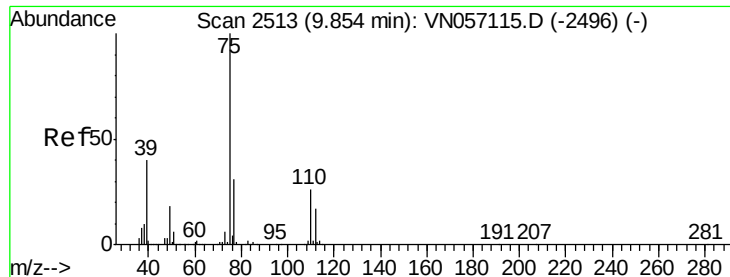
MMDadoda
8/9/2019 9:28:00 AM



#52
Toluene
Concen: 20.139 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion: 92 Resp: 594419
Ion Ratio Lower Upper
92 100
91 173.6 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.839 ug/l

RT: 9.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 75 Resp: 332540

Ion Ratio Lower Upper

75 100

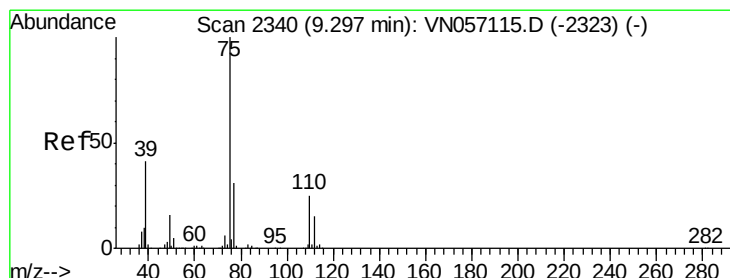
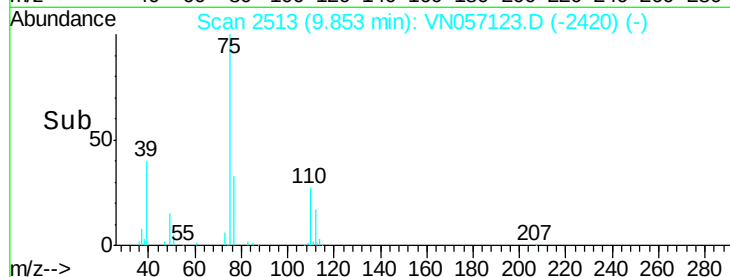
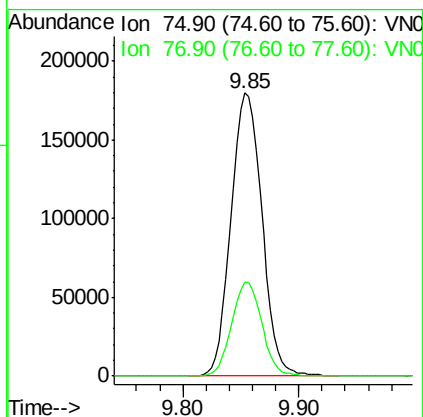
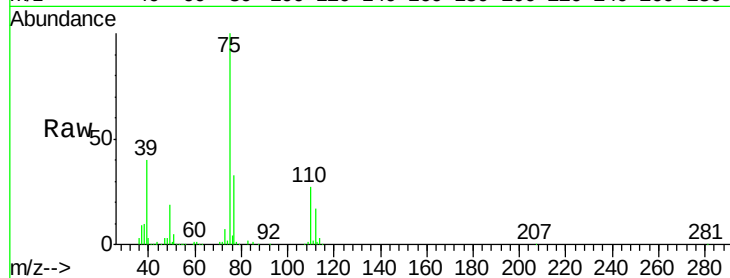
77 33.3 24.8 37.2

Manual Integrations

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MMDadoda

8/9/2019 9:28:00 AM



#54

cis-1,3-Dichloropropene

Concen: 20.595 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

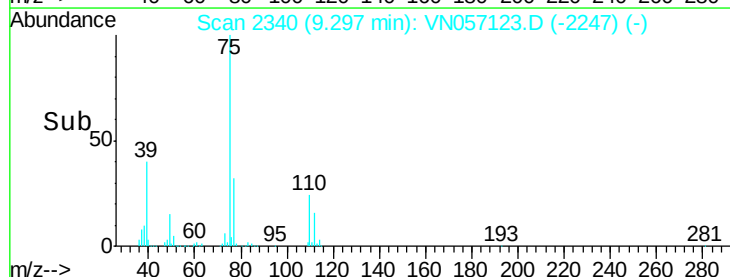
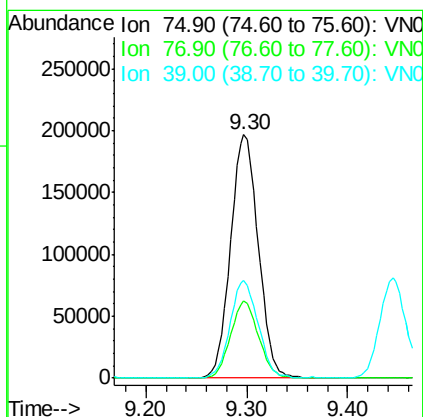
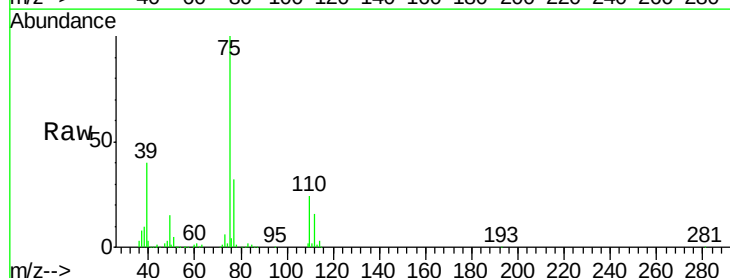
Tgt Ion: 75 Resp: 377111

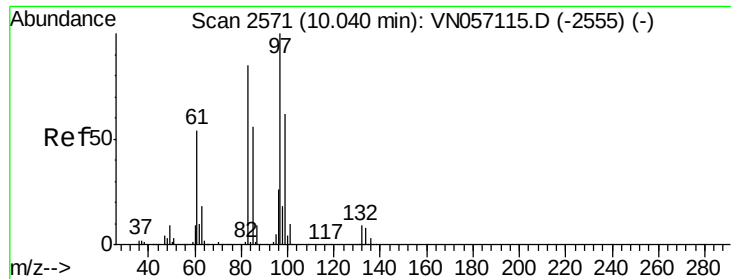
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 39.8 32.5 48.7





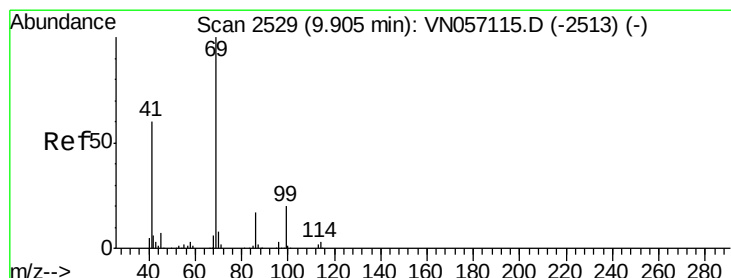
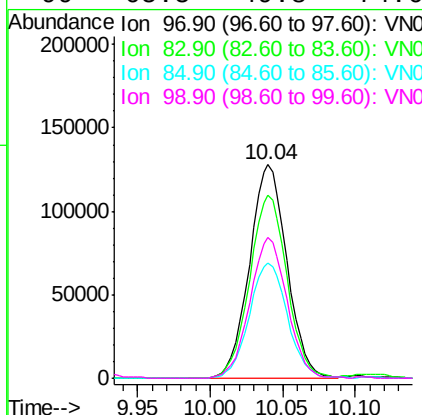
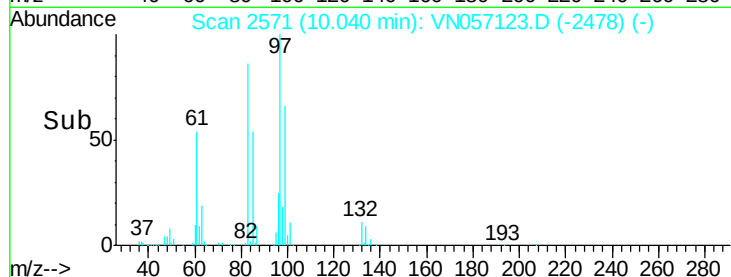
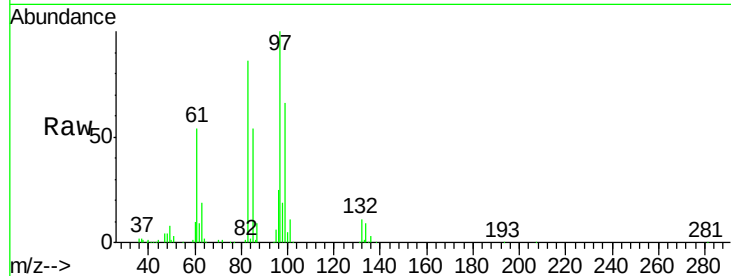
#55
 1,1,2-Trichloroethane
 Concen: 19.783 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		229614		
83	85.7	67.8	101.8		
85	53.9	44.4	66.6		
99	65.5	49.8	74.6		

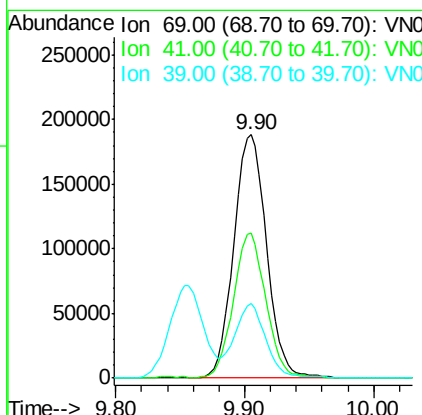
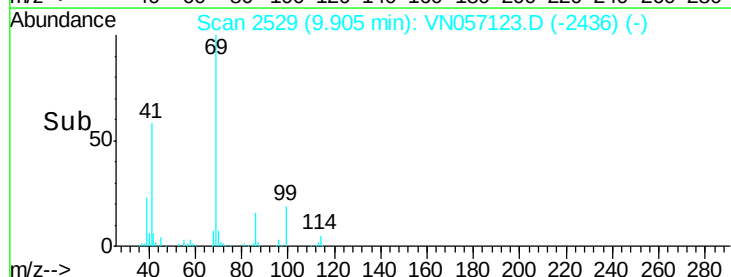
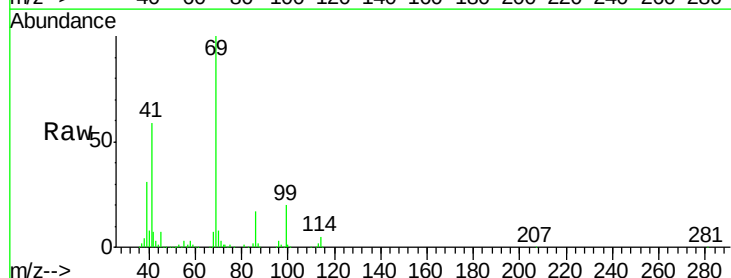
Manual Integrations
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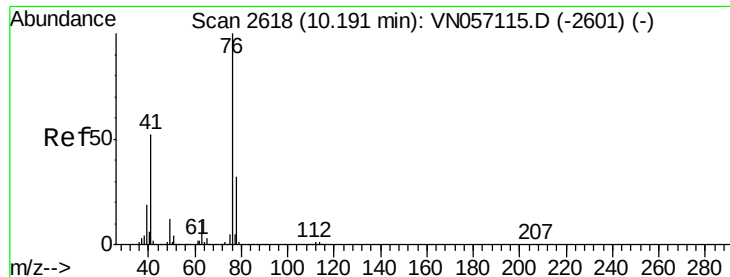
MMDadoda
 8/9/2019 9:28:00 AM



#56
 Ethyl methacrylate
 Concen: 20.499 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		333132		
41	58.3	48.1	72.1		
39	28.7	23.6	35.4		





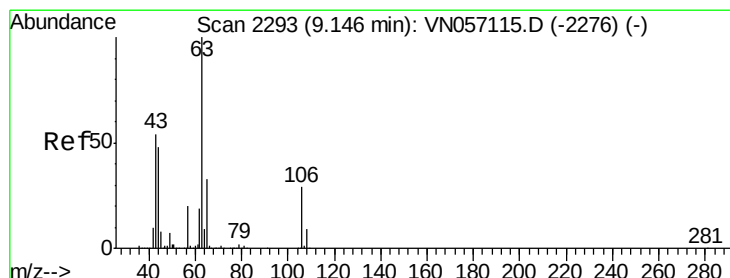
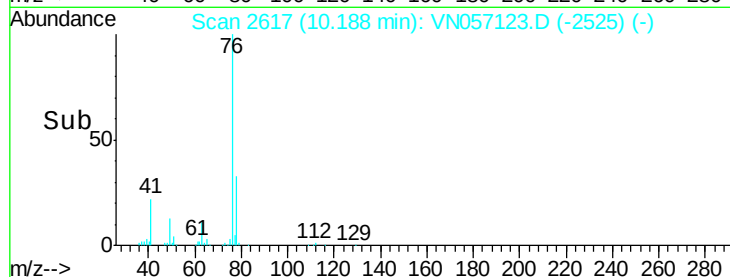
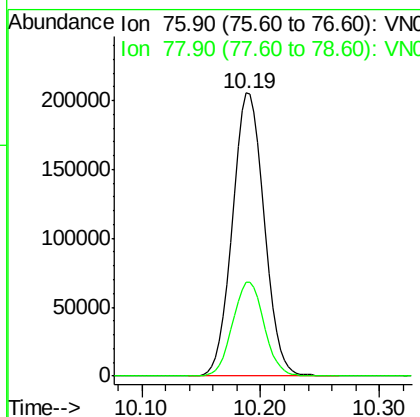
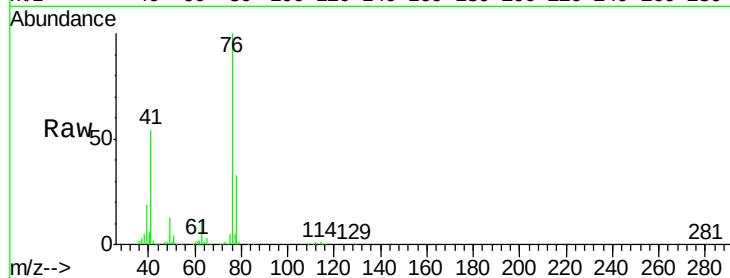
#57
 1,3-Dichloropropane
 Concen: 19.859 ug/l
 RT: 10.19 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.9	38.9

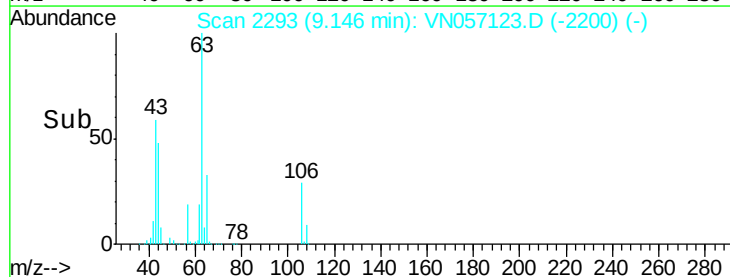
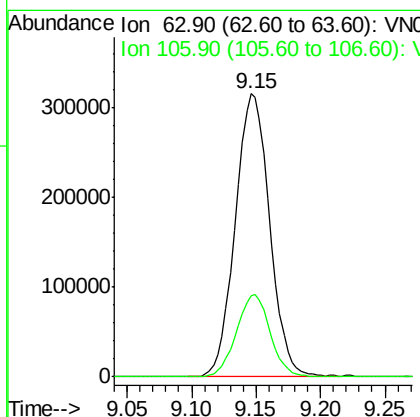
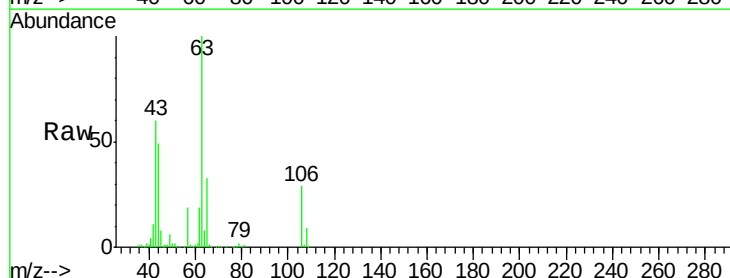
Manual Integrations
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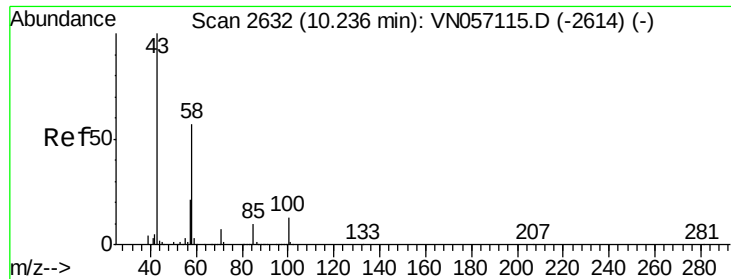
MMDadoda
 8/9/2019 9:28:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.783 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.6	33.8





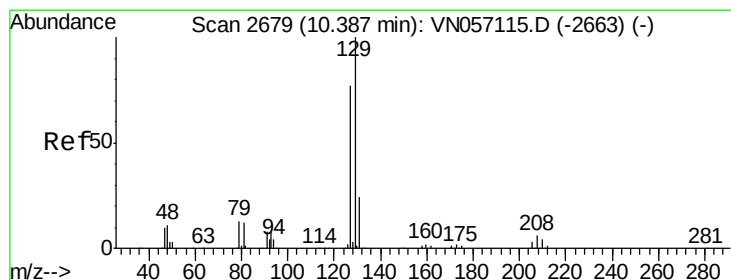
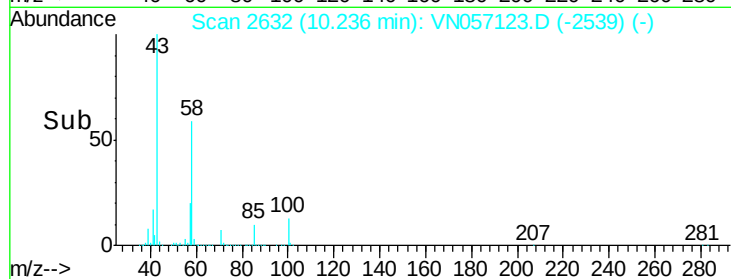
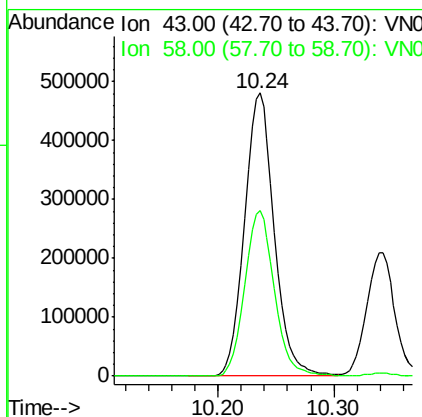
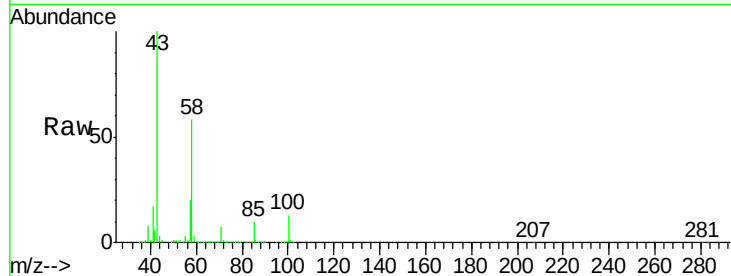
#59
2-Hexanone
Concen: 103.027 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	43	Resp	857498
Ion Ratio	100	Lower	Upper
43	100		
58	58.4	29.2	87.6

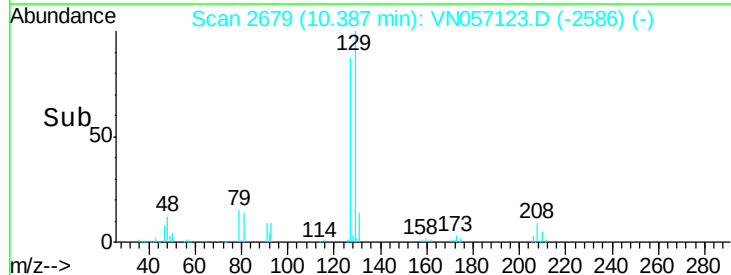
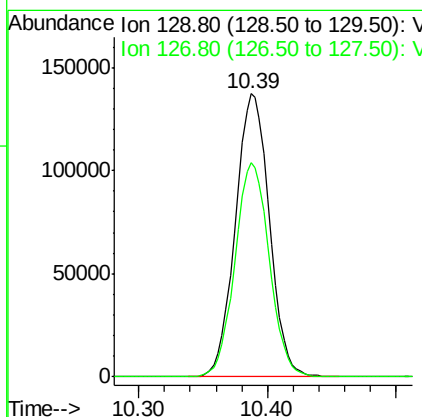
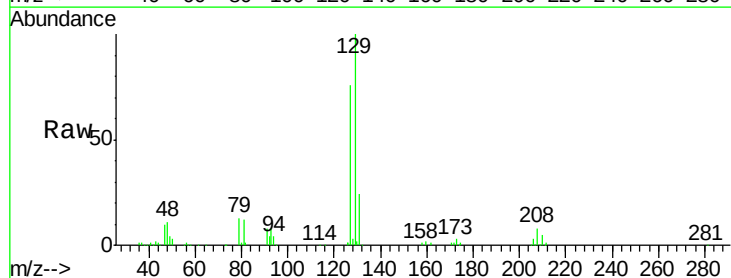
Manual Integrations
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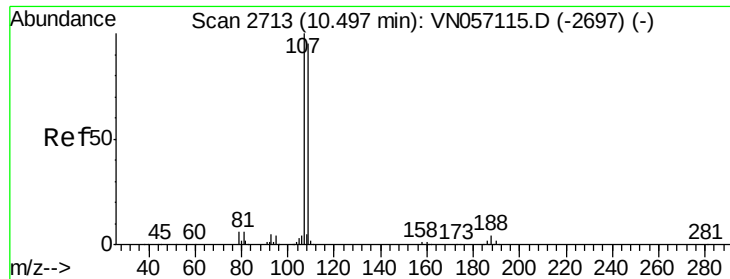
MMDadoda
8/9/2019 9:28:00 AM



#60
Dibromochloromethane
Concen: 20.628 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	129	Resp	251459
Ion Ratio	100	Lower	Upper
129	100		
127	76.4	38.6	116.0





#61

1,2-Dibromoethane

Concen: 19.966 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 107 Resp: 239135

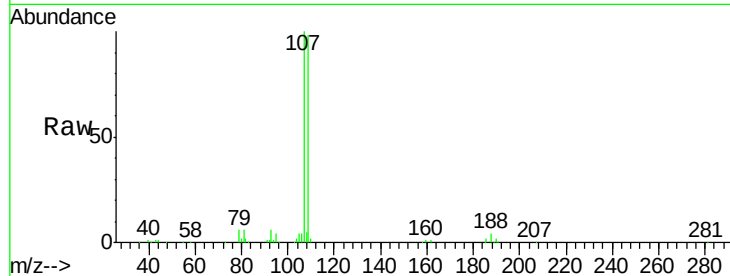
Ion Ratio Lower Upper

107 100

109 95.3 75.6 113.4

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.50

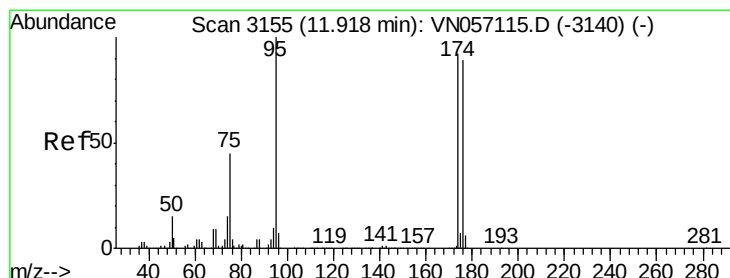
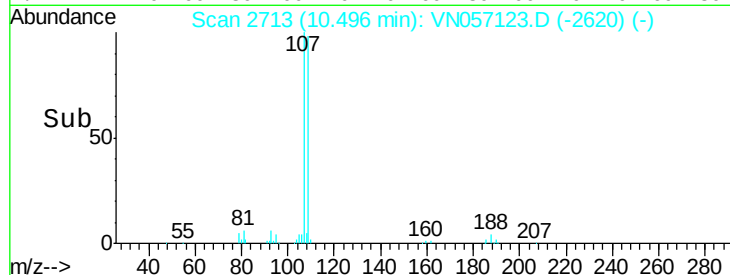
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.980 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

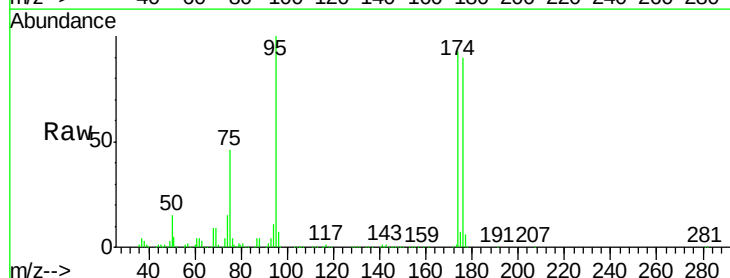
Tgt Ion: 95 Resp: 691207

Ion Ratio Lower Upper

95 100

174 94.2 0.0 185.0

176 90.8 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.92

500000

400000

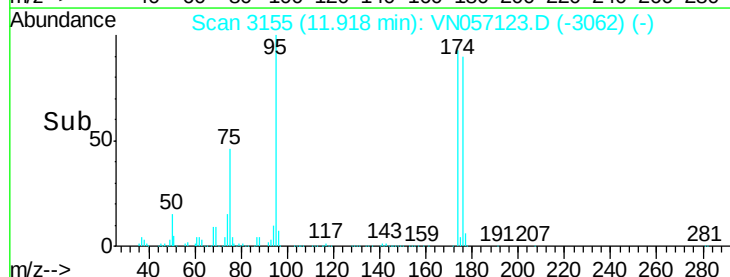
300000

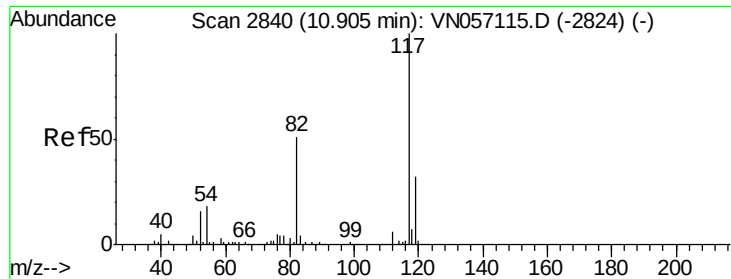
200000

100000

0

Time-->





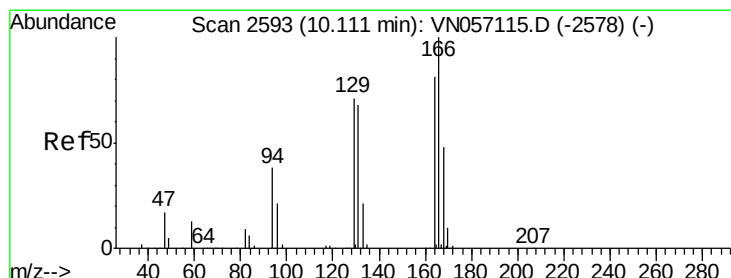
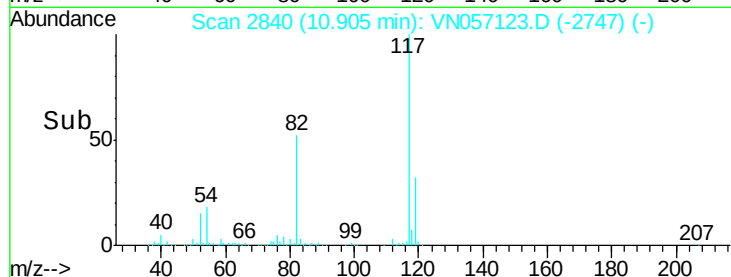
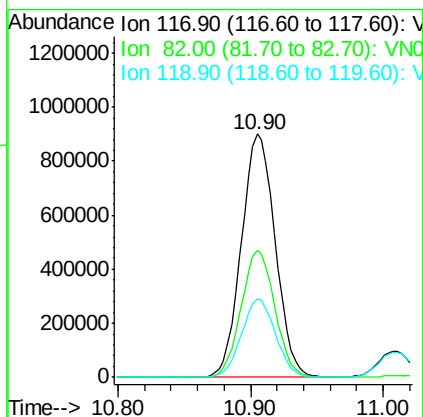
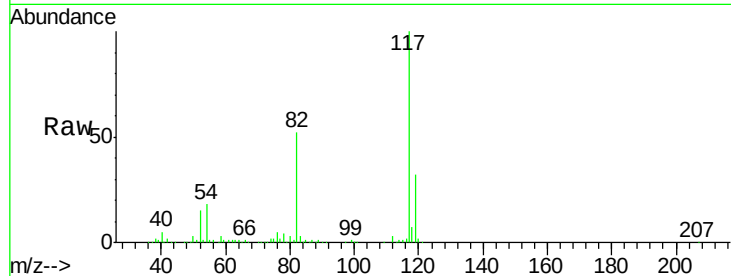
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.8	61.2
119	32.1	25.7	38.5

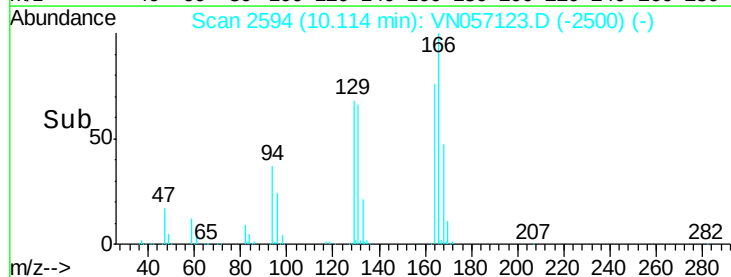
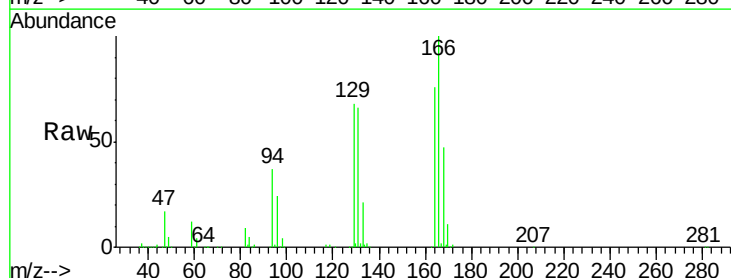
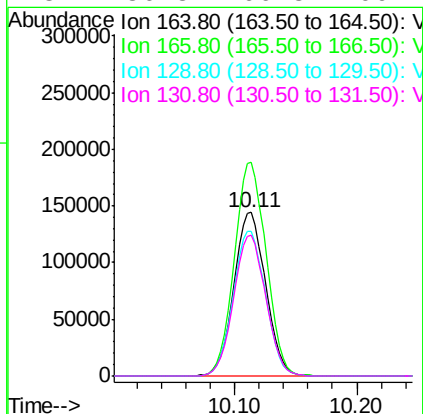
Manual Integrations
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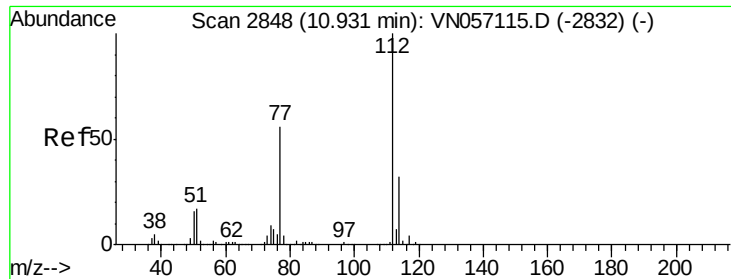
MMDadoda
8/9/2019 9:28:00 AM



#64
Tetrachloroethene
Concen: 19.594 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	98.3	147.5
129	88.5	69.8	104.6
131	86.3	66.8	100.2





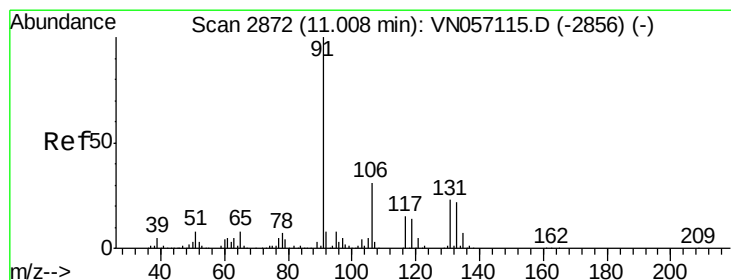
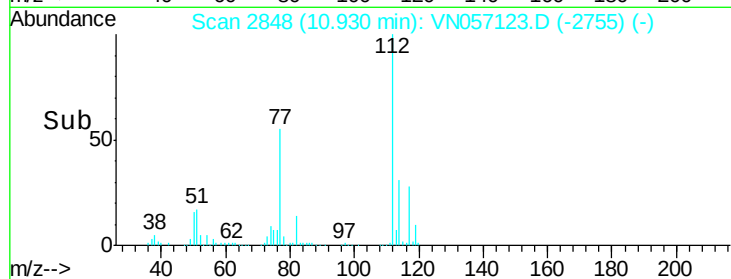
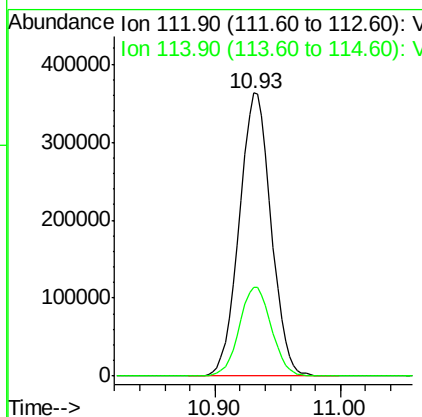
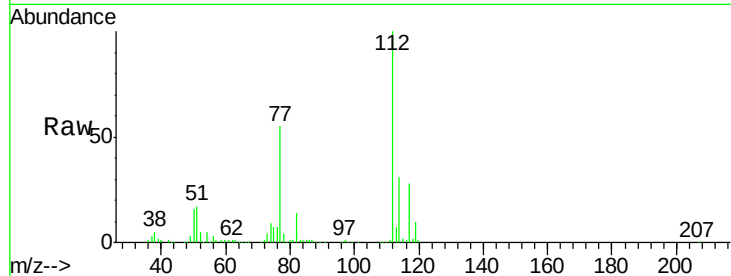
#65
Chlorobenzene
Concen: 19.916 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2

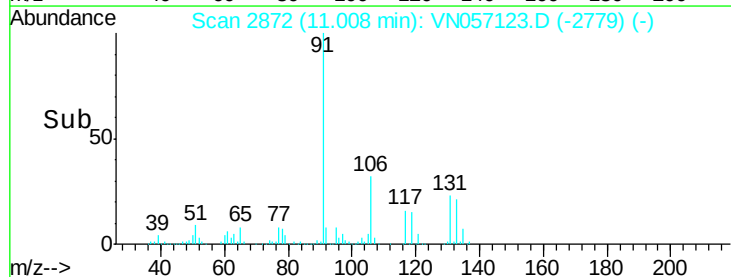
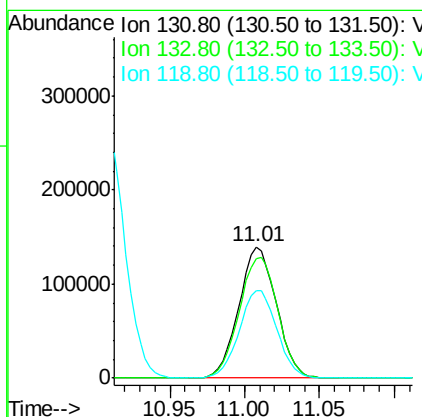
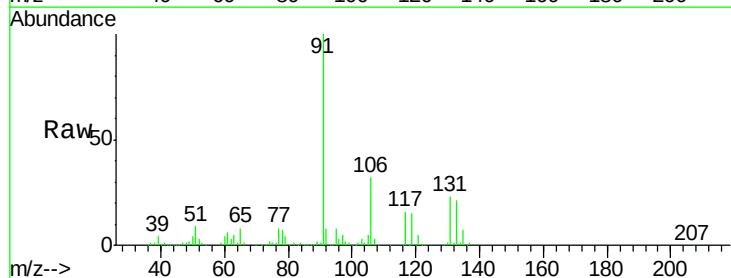
Manual Integrations
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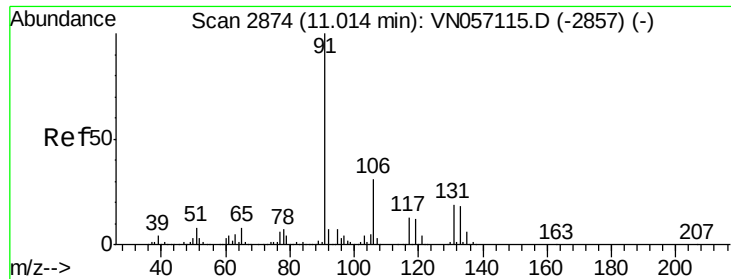
MMDadoda
8/9/2019 9:28:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.202 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.6	142.8
119	67.2	32.6	97.7





#67

Ethyl Benzene

Concen: 20.124 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 91 Resp: 1113785

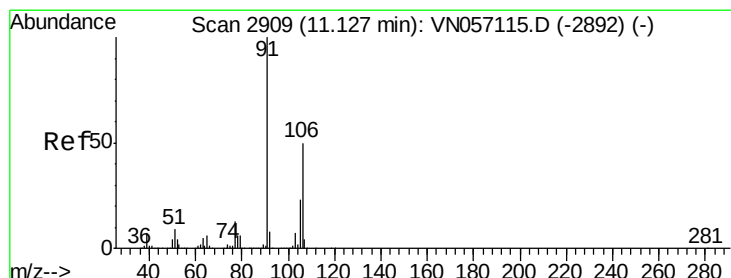
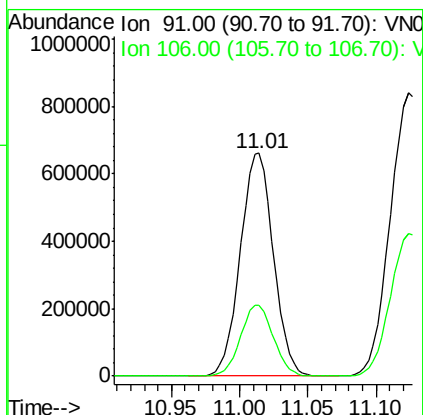
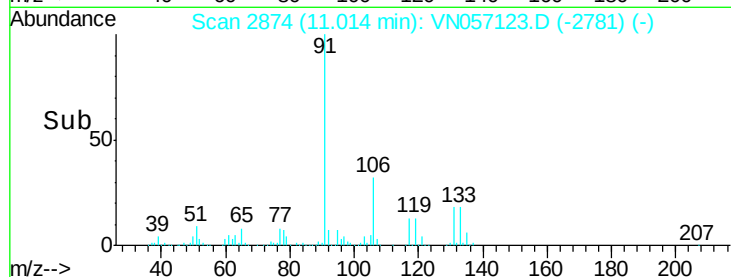
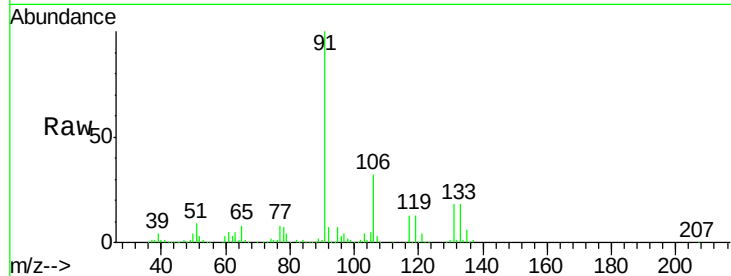
Ion Ratio Lower Upper

91 100

106 31.7 25.0 37.4

Manual Integrations
APPROVED

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8/9/2019 9:28:00 AM



#68

m/p-Xylenes

Concen: 40.944 ug/l

RT: 11.12 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VN057123.D

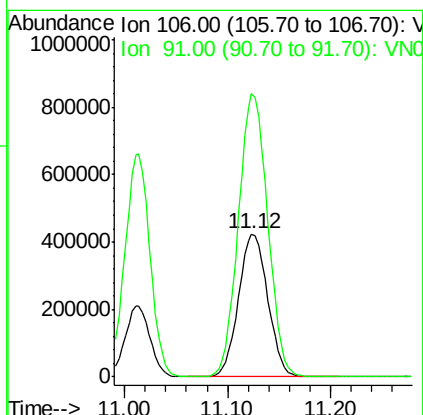
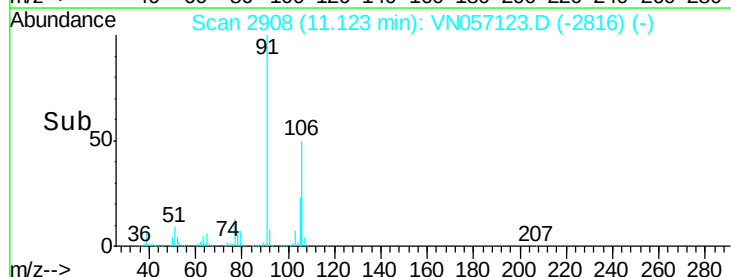
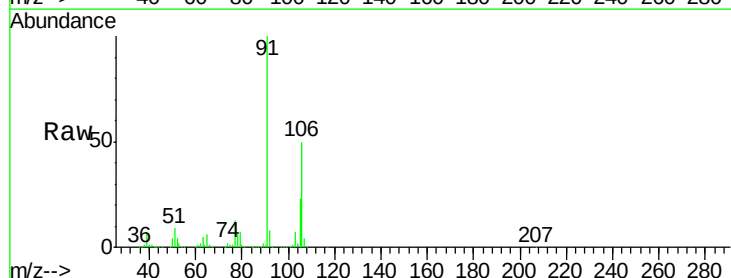
Acq: 8 Aug 2019 11:32

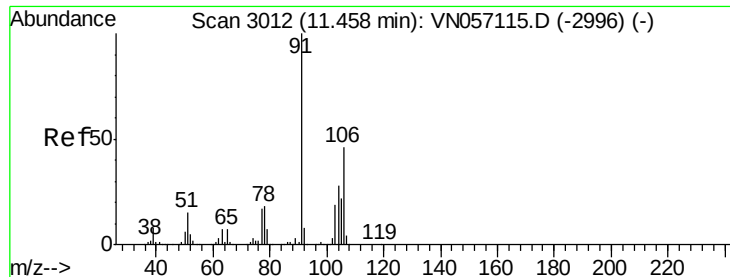
Tgt Ion: 106 Resp: 834860

Ion Ratio Lower Upper

106 100

91 198.3 159.8 239.8





#69

o-Xylene

Concen: 20.416 ug/l

RT: 11.46 min Scan# 3012

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

Tot Ion:106 Resp: 414297

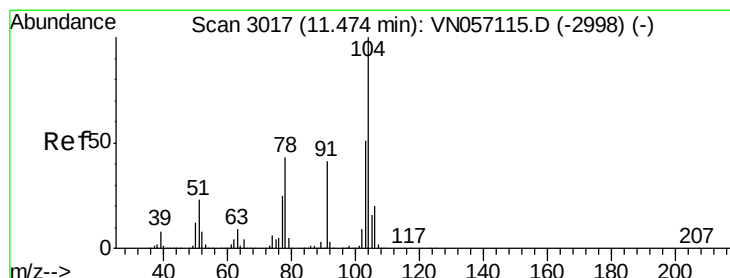
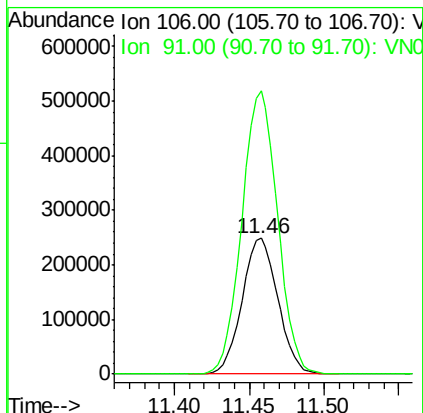
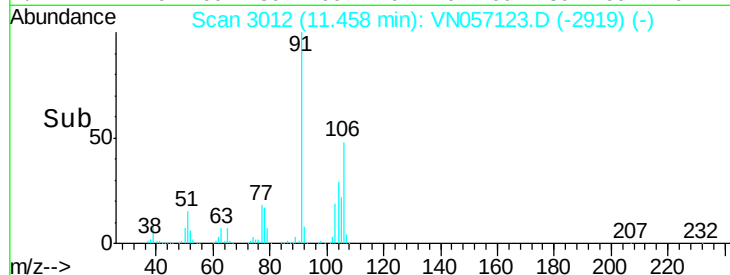
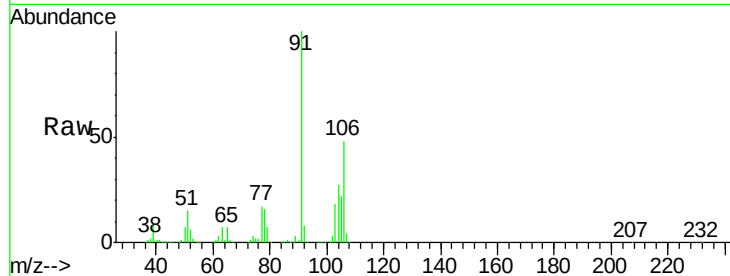
Ion Ratio Lower Upper

106 100

91 208.0 106.8 320.5

Manual Integrations
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#70

Styrene

Concen: 20.239 ug/l

RT: 11.47 min Scan# 3017

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

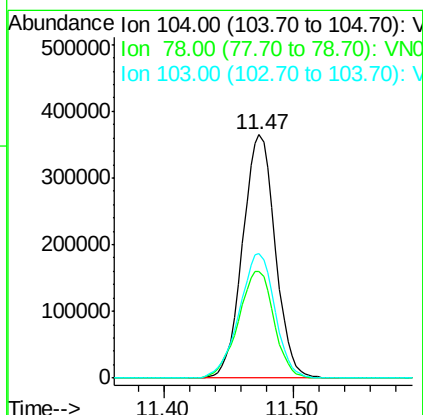
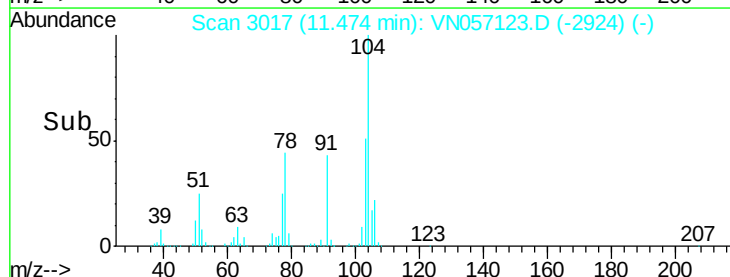
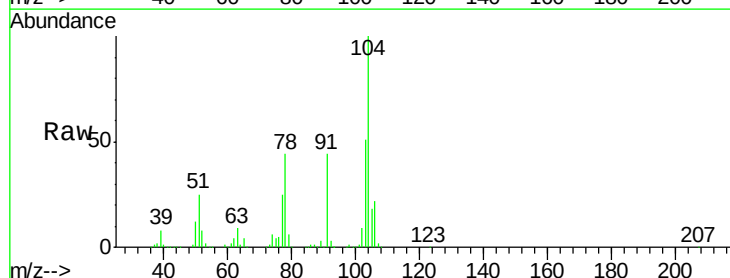
Tgt Ion:104 Resp: 641505

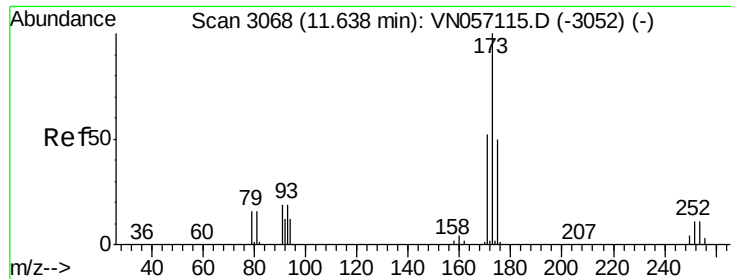
Ion Ratio Lower Upper

104 100

78 48.2 38.5 57.7

103 55.9 44.6 66.8





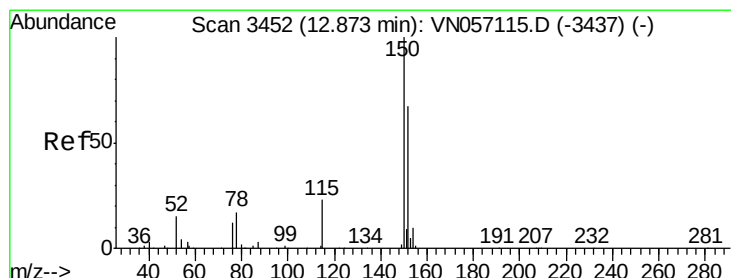
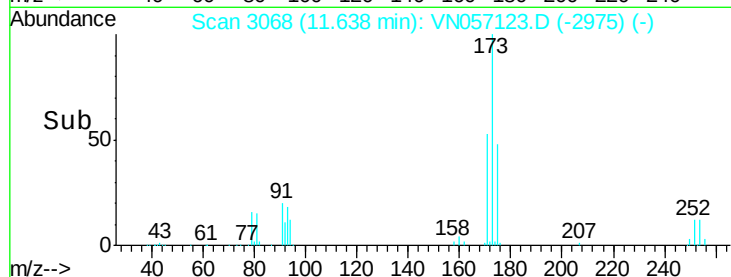
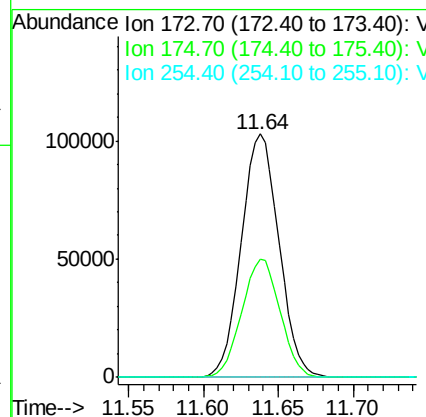
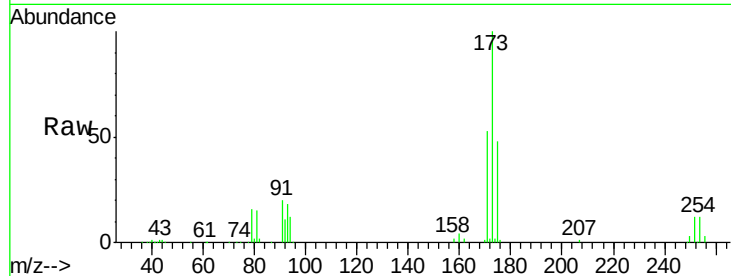
#71
Bromoform
Concen: 20.475 ug/l
RT: 11.64 min Scan# 3068
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	73.8
254	0.0	0.1	0.1#

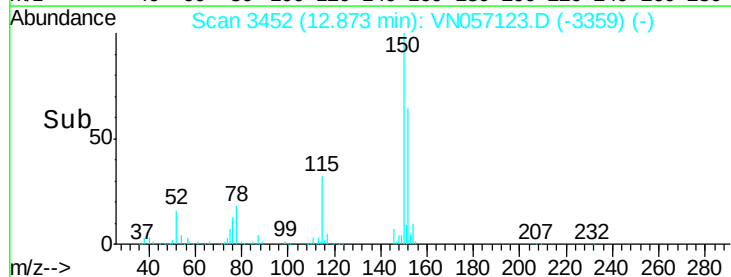
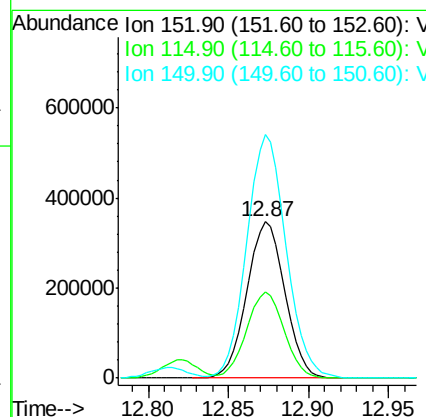
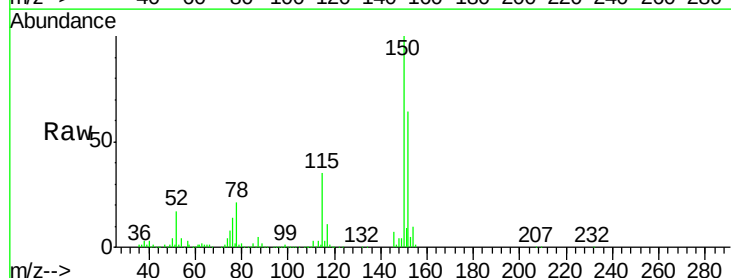
Manual Integrations
APPROVED

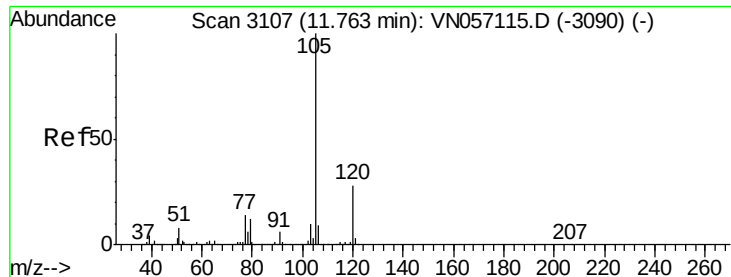
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.87 min Scan# 3452
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.5	82.5
150	161.2	0.0	341.6





#73

Isopropylbenzene

Concen: 22.503 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion:105 Resp: 1095598

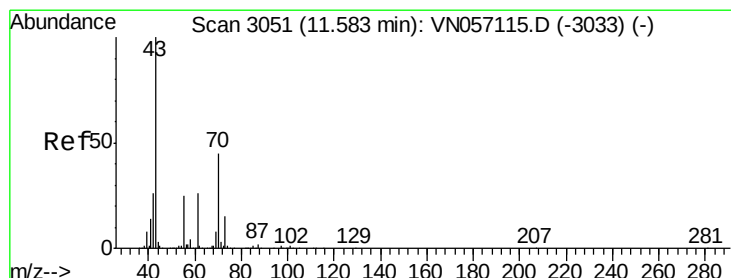
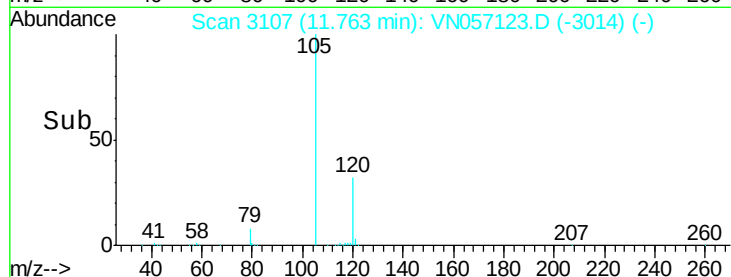
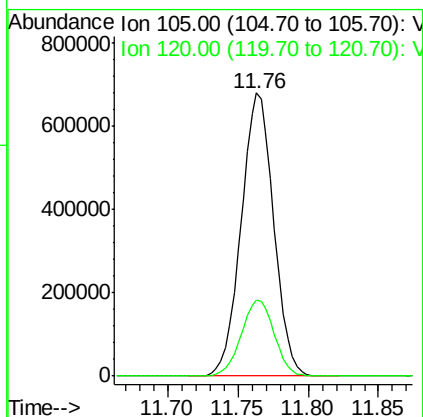
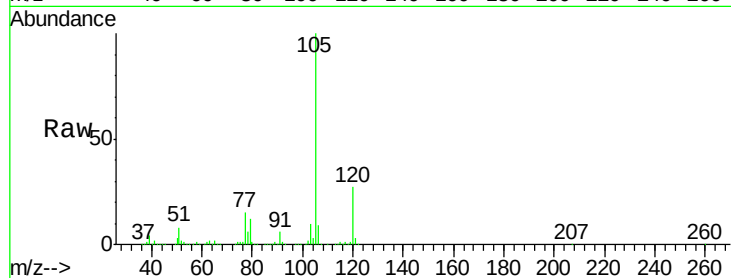
Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:00 AM



#74

N-ethyl acetate

Concen: 20.911 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion: 43 Resp: 297568

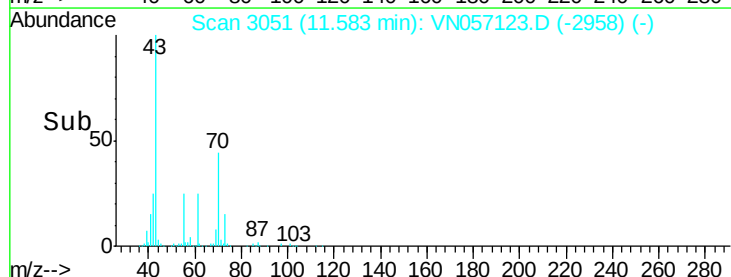
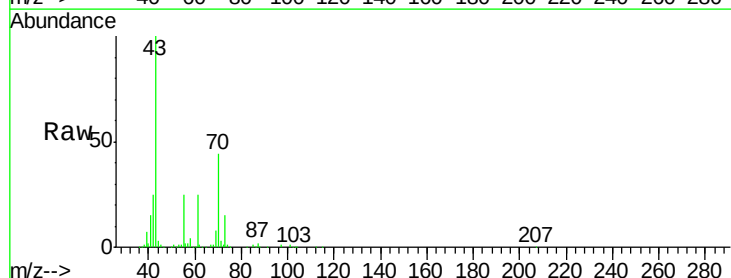
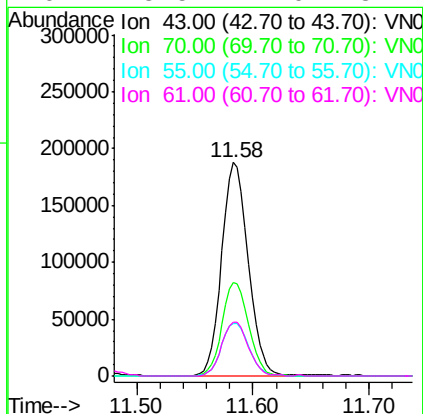
Ion Ratio Lower Upper

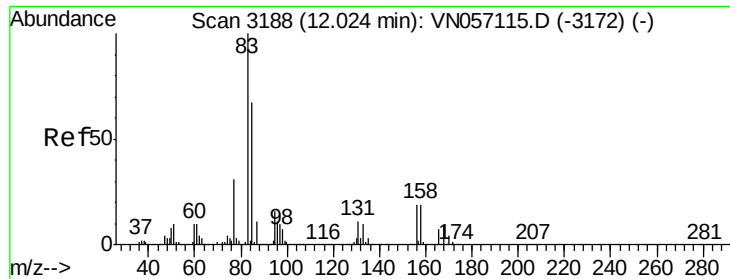
43 100

70 44.2 36.8 55.2

55 25.7 20.6 31.0

61 25.5 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.659 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 83 Resp: 305722

Ion Ratio Lower Upper

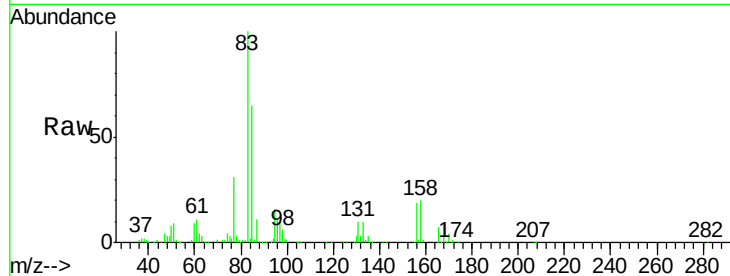
83 100

131 10.4 5.5 16.4

85 65.4 32.4 97.0

Manual Integrations
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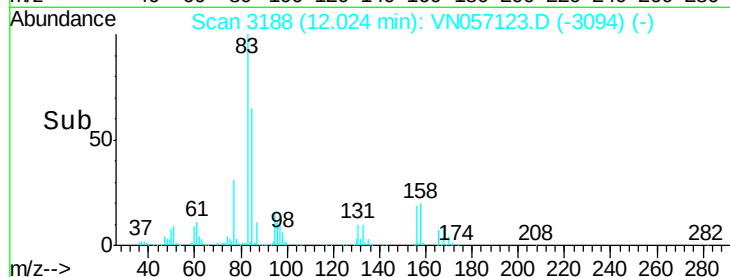


Abundance Ion 82.90 (82.60 to 83.60): VN057115.D (-3172) (-)

Ion 130.80 (130.50 to 131.50): VN057115.D (-3172) (-)

Ion 84.90 (84.60 to 85.60): VN057115.D (-3172) (-)

Time-->

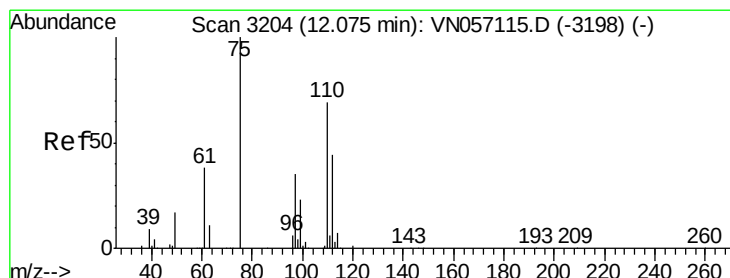


Abundance Ion 82.90 (82.60 to 83.60): VN057123.D (-3094) (-)

Ion 130.80 (130.50 to 131.50): VN057123.D (-3094) (-)

Ion 84.90 (84.60 to 85.60): VN057123.D (-3094) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.265 ug/l m

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN057123.D

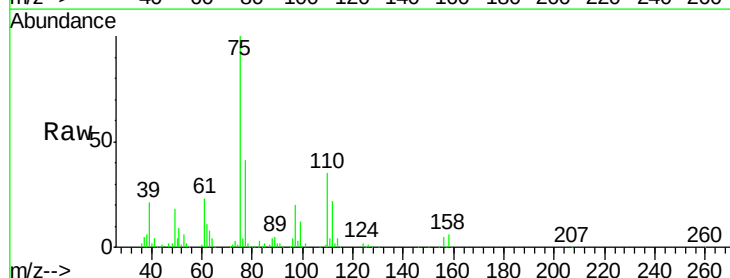
Acq: 8 Aug 2019 11:32

Tgt Ion: 75 Resp: 241443

Ion Ratio Lower Upper

75 100

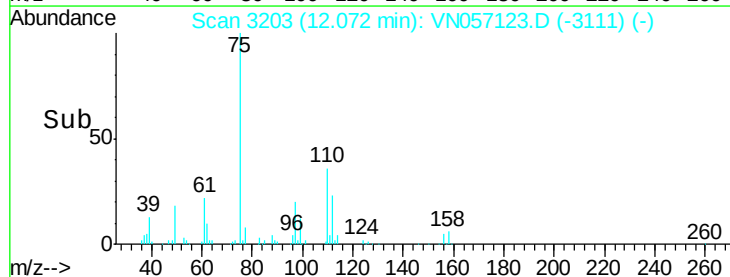
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057115.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN057115.D (-3198) (-)

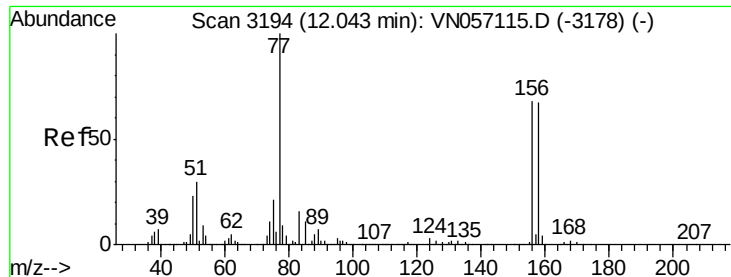
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN057123.D (-3111) (-)

Ion 77.00 (76.70 to 77.70): VN057123.D (-3111) (-)

Time-->



#77

Bromobenzene

Concen: 20.532 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

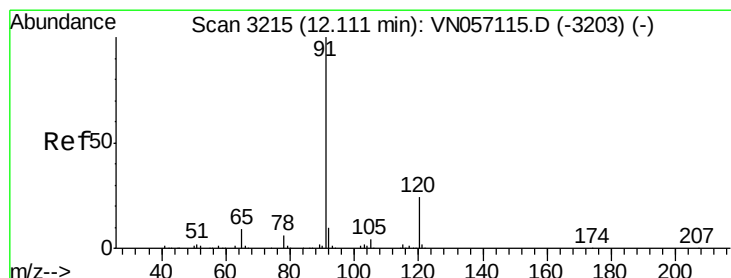
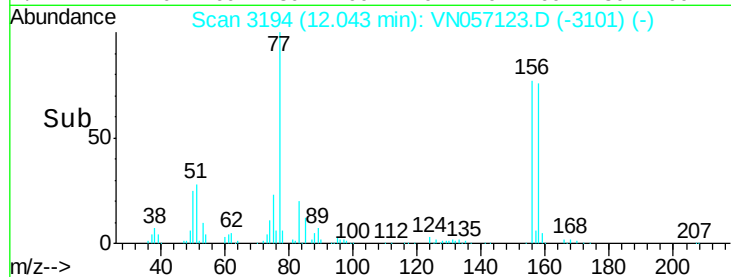
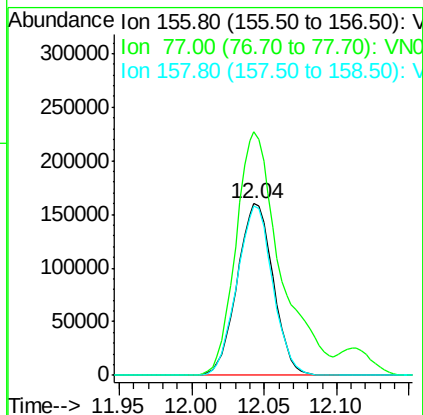
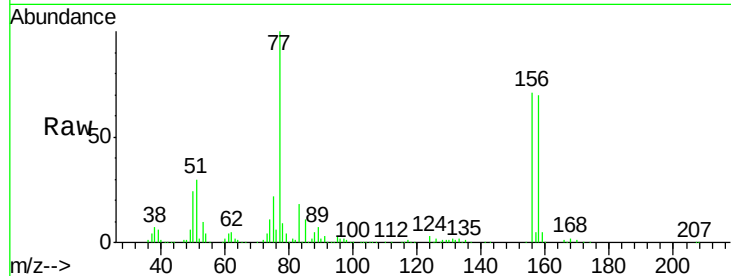
ClientSampleId :

VN0808WBSD01

Tot Ion:	156	Resp:	277124
Ion Ratio	Lower	Upper	
156	100		
77	175.5	88.7	266.1
158	98.1	49.3	147.8

Manual Integrations
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MMDadoda
8/9/2019 9:28:00 AM



#78

n-propylbenzene

Concen: 20.340 ug/l

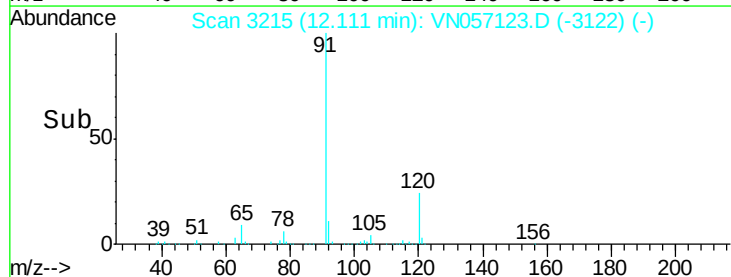
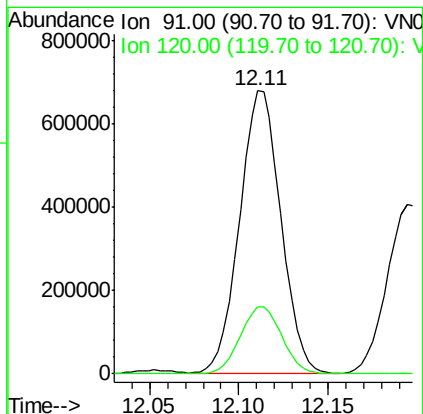
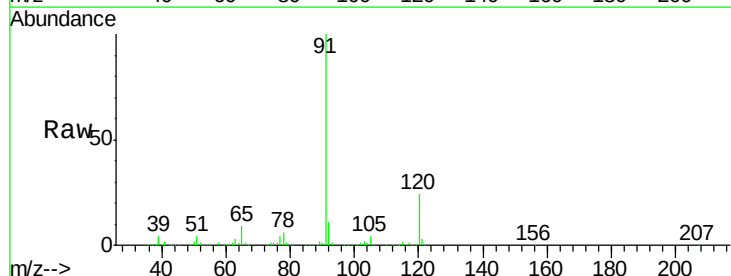
RT: 12.11 min Scan# 3215

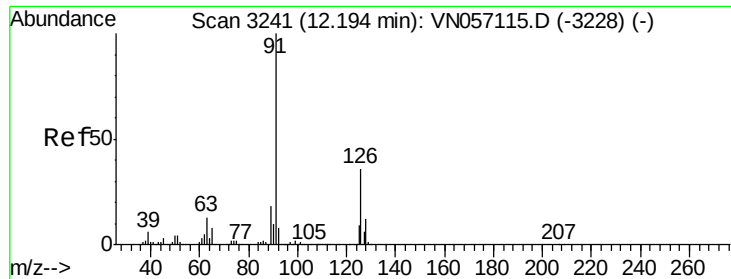
Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	91	Resp:	1095774
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.947 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0808WBSD01

Tot Ion: 91 Resp: 691495

Ion Ratio Lower Upper

91 100

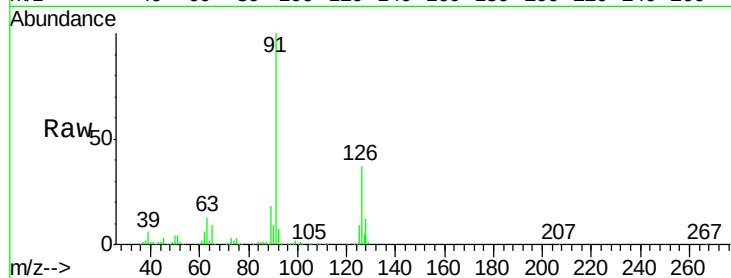
126 36.3 18.1 54.3

Manual Integrations

APPROVED

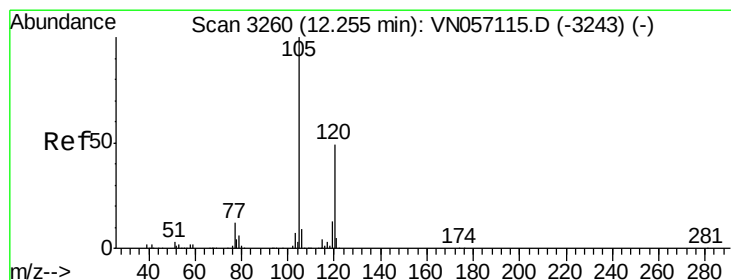
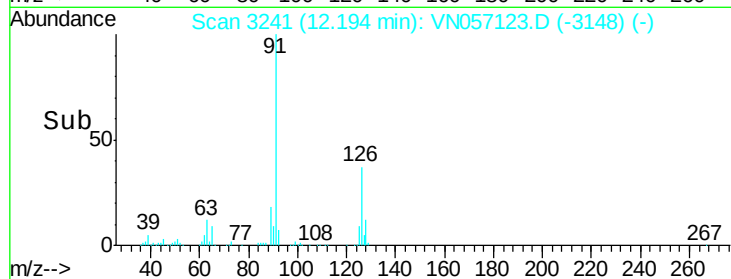
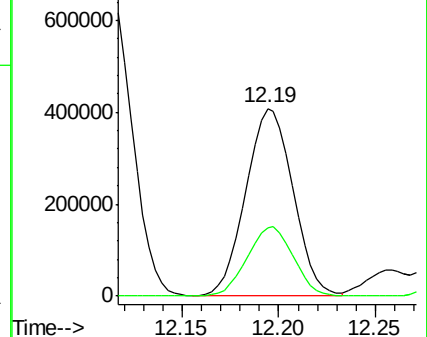
MMDadoda

8/9/2019 9:28:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.755 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN057123.D

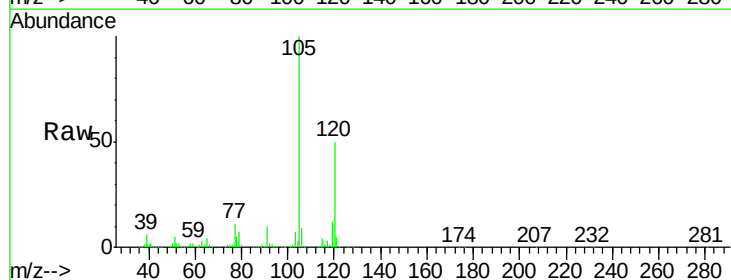
Acq: 8 Aug 2019 11:32

Tgt Ion: 105 Resp: 899769

Ion Ratio Lower Upper

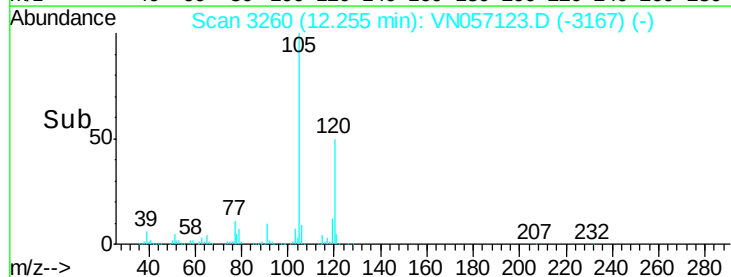
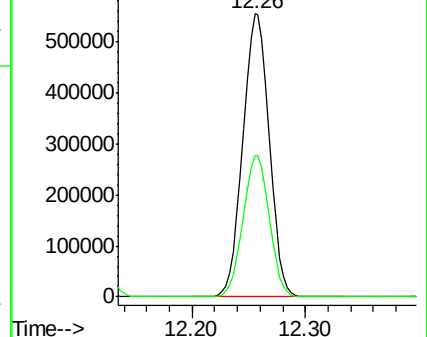
105 100

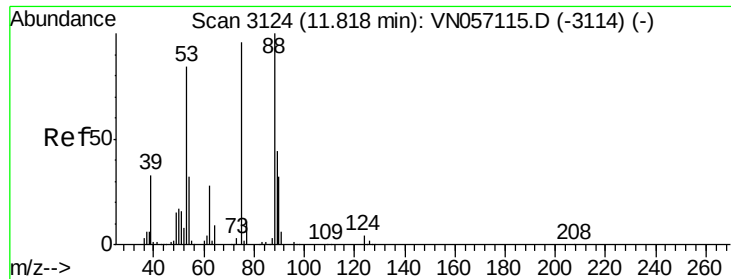
120 49.7 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)





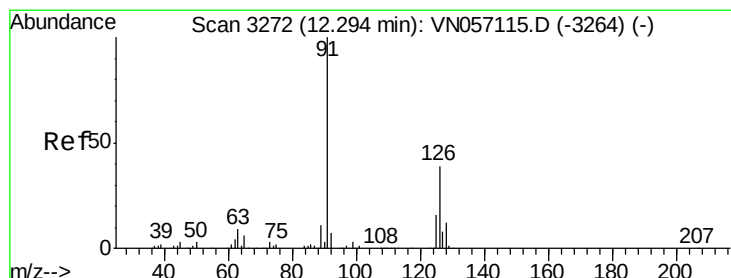
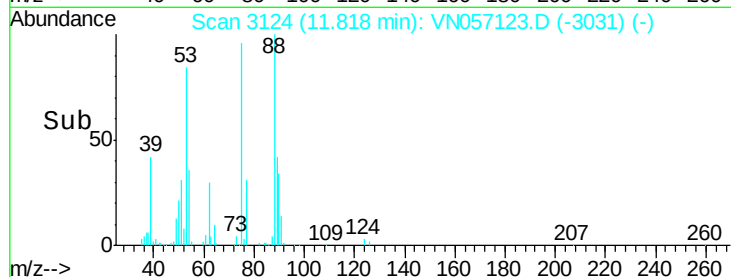
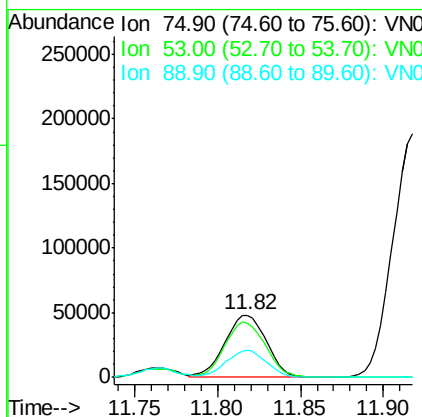
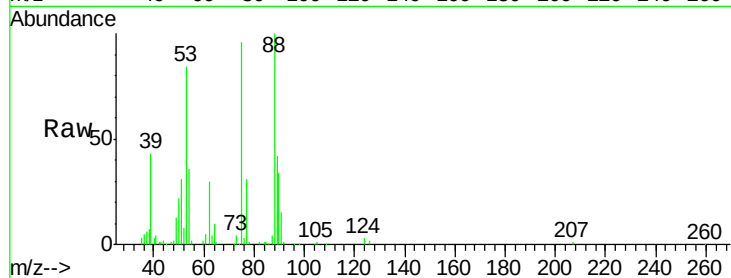
#81
trans-1,4-Dichloro-2-butene
Concen: 21.845 ug/l
RT: 11.82 min Scan# 3124
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	70.6	106.0
89	42.6	36.4	54.6

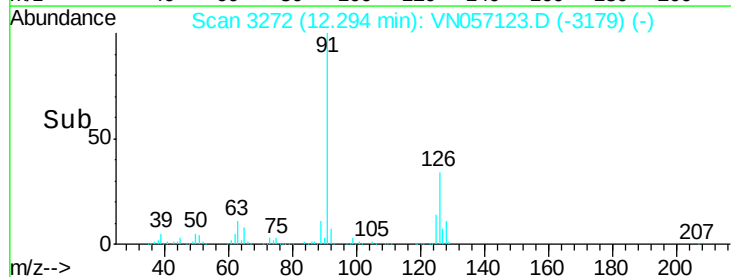
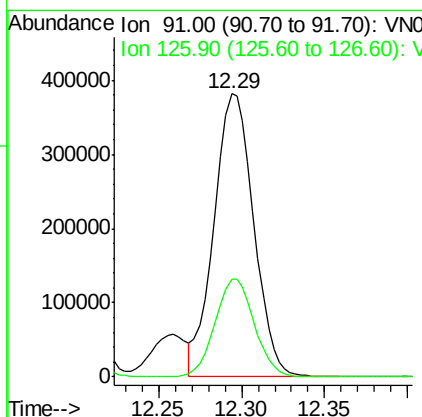
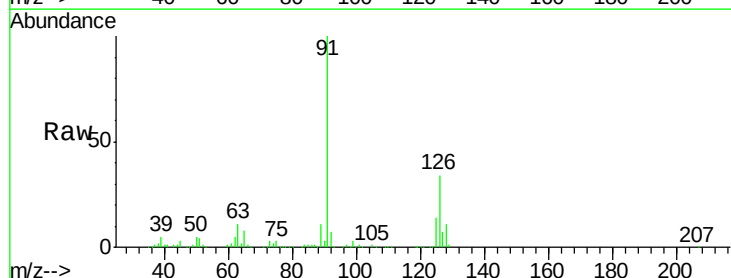
Manual Integrations
APPROVED

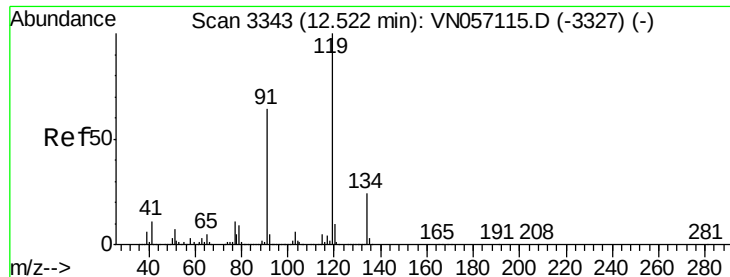
MMDadoda
8/9/2019 9:28:00 AM



#82
4-Chlorotoluene
Concen: 20.284 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.9	53.7





#83

tert-Butylbenzene

Concen: 22.627 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

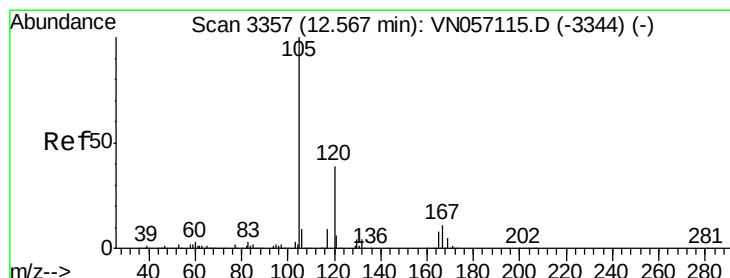
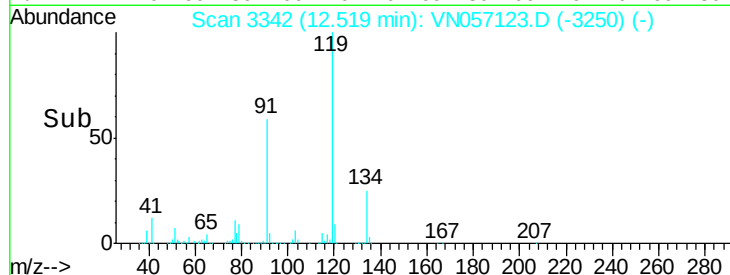
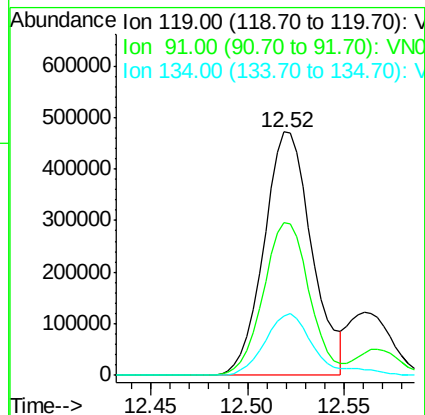
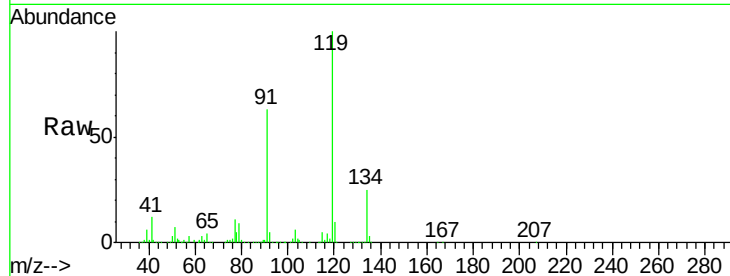
ClientSampled :

VN0808WBSD01

Tot Ion:	119	Resp:	812376
Ion Ratio	Lower	Upper	
119	100		
91	60.3	31.4	94.2
134	26.3	13.2	39.6

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:00 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.012 ug/l

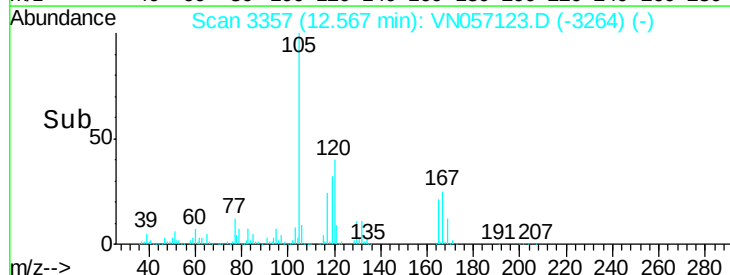
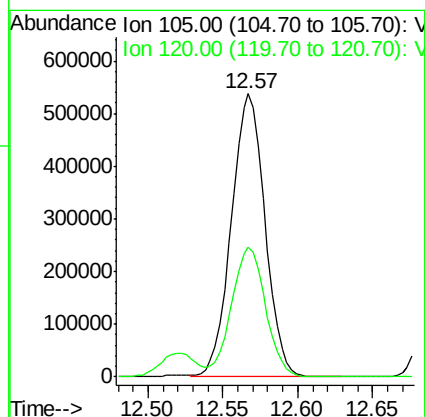
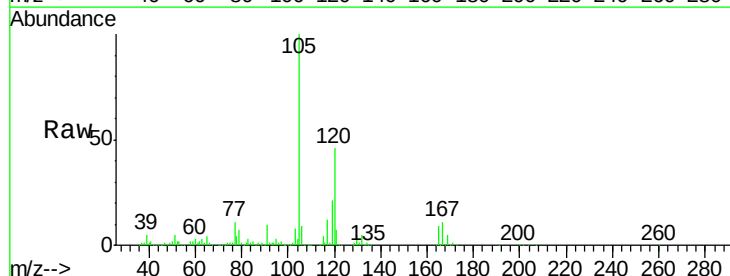
RT: 12.57 min Scan# 3357

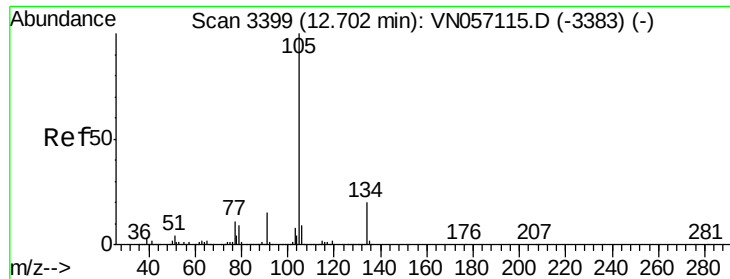
Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	105	Resp:	838599
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.3	69.8





#85

sec-Butylbenzene

Concen: 19.955 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0808WBSD01

Tot Ion:105 Resp: 976300

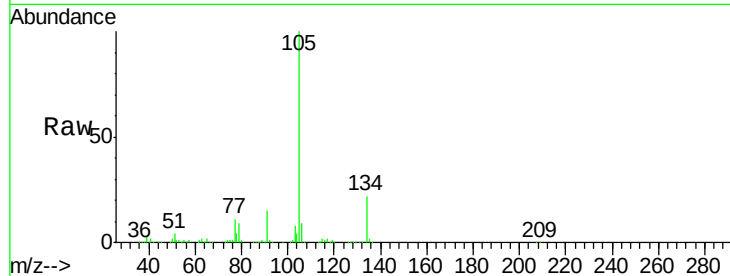
Ion Ratio Lower Upper

105 100

134 21.3 10.2 30.4

Manual Integrations
APPROVED

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8/9/2019 9:28:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.70

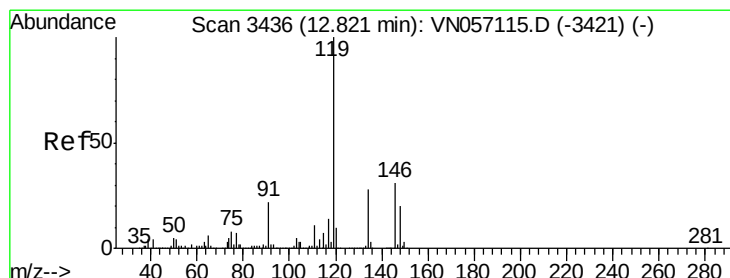
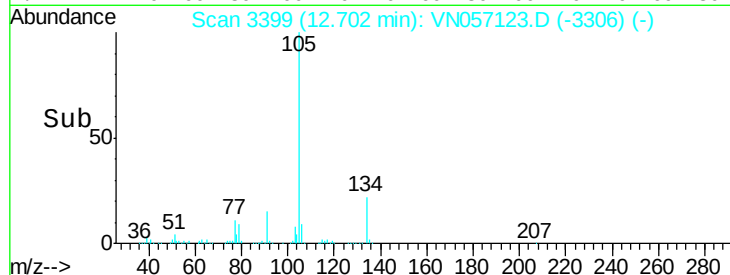
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.951 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

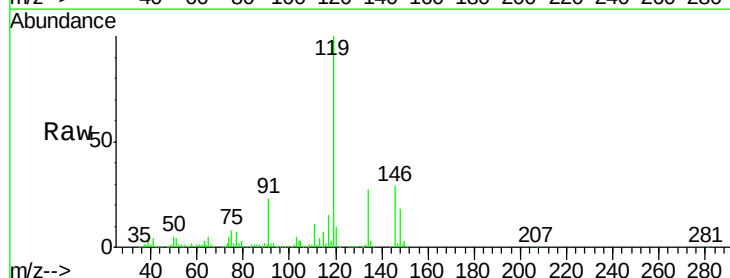
Tgt Ion:119 Resp: 856513

Ion Ratio Lower Upper

119 100

134 27.0 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

12.82

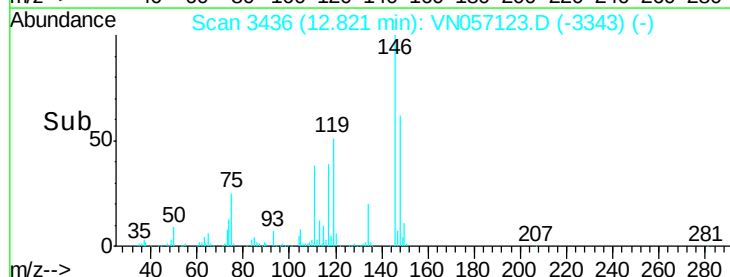
600000

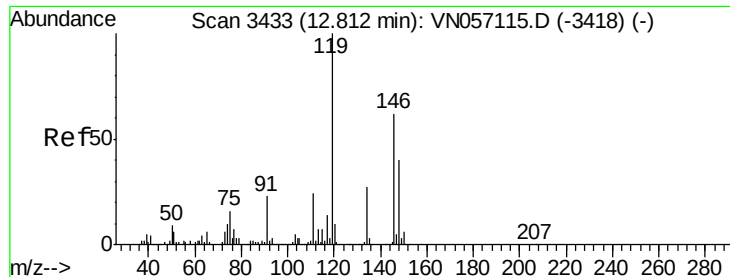
400000

200000

0

Time-->





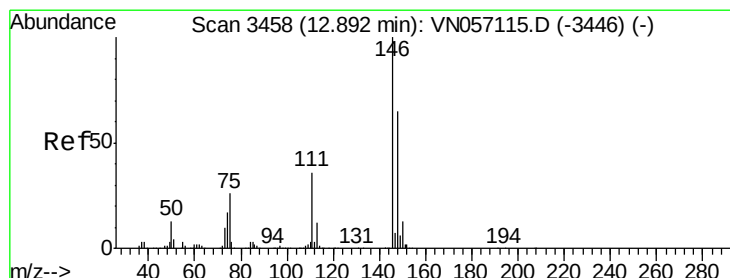
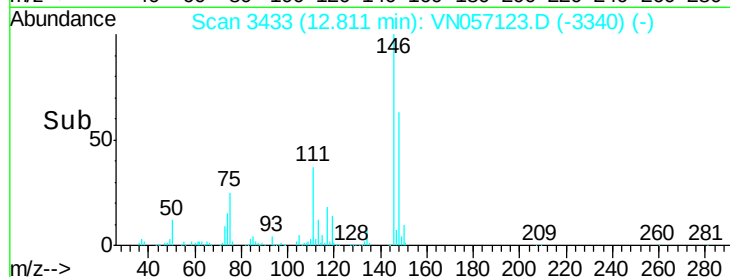
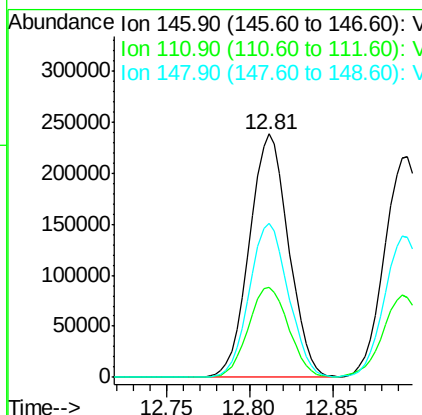
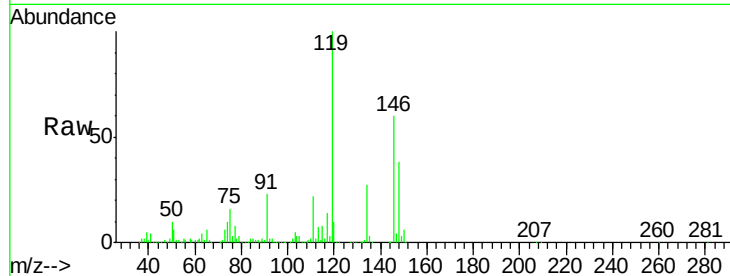
#87
 1,3-Dichlorobenzene
 Concen: 20.386 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	63.1	32.4	97.0

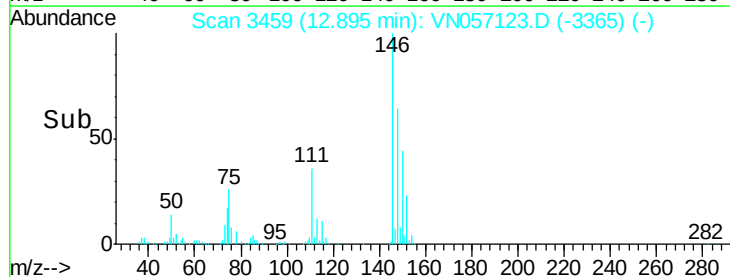
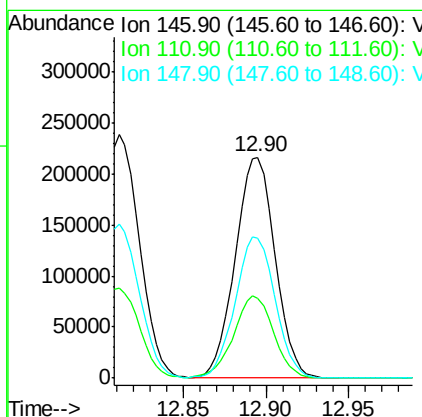
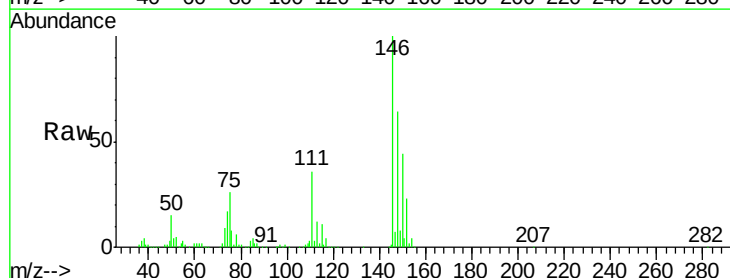
Manual Integrations
 APPROVED

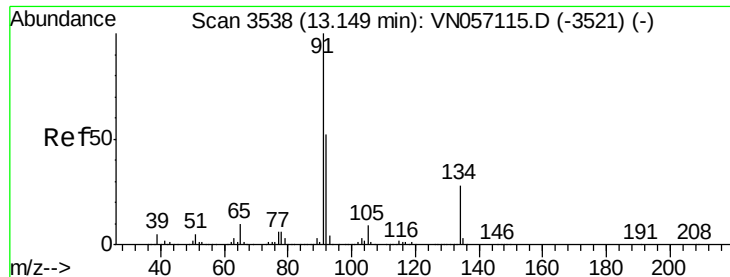
MMDadoda
 8/9/2019 9:28:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.811 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.2	54.6
148	64.5	32.0	96.2





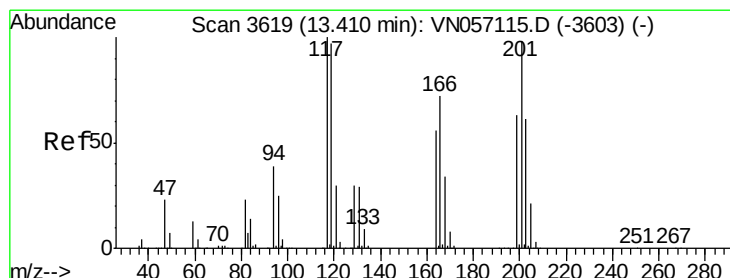
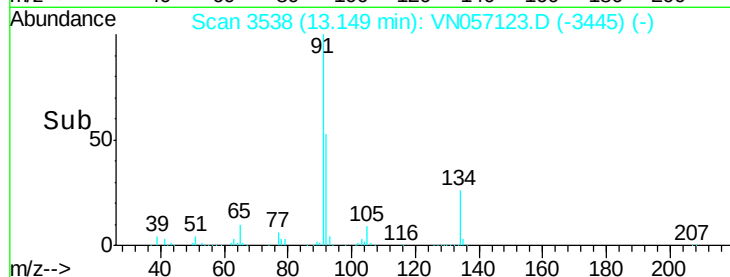
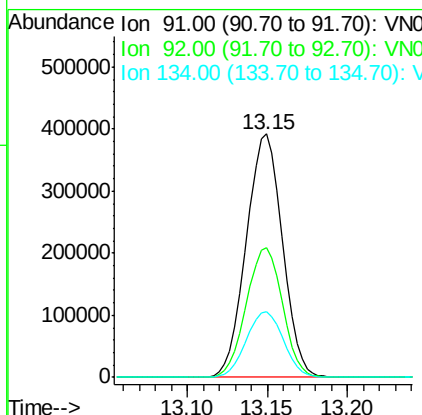
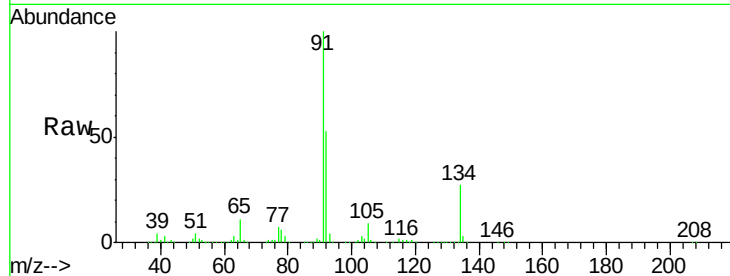
#89
n-Butylbenzene
Concen: 20.452 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	26.5	79.4	
134	27.6	14.1	42.3	

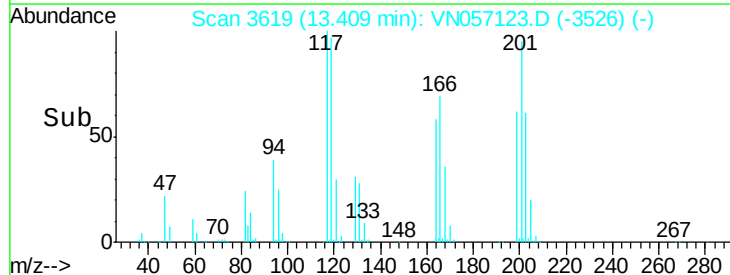
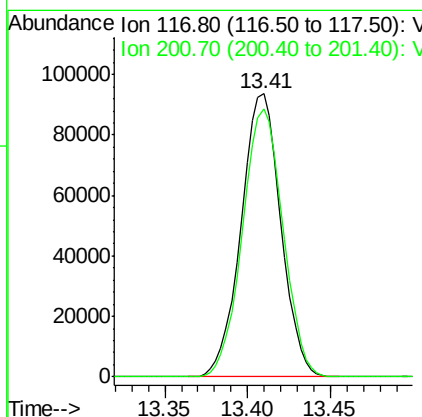
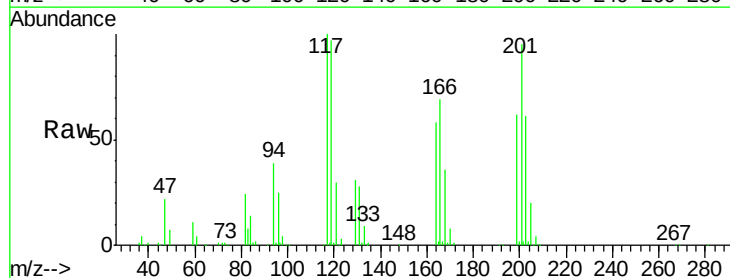
Manual Integrations
APPROVED

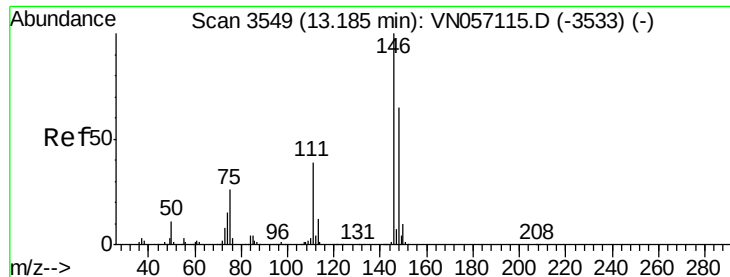
MMDadoda
8/9/2019 9:28:00 AM



#90
Hexachloroethane
Concen: 22.310 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057123.D
Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	96.5	49.3	147.8	





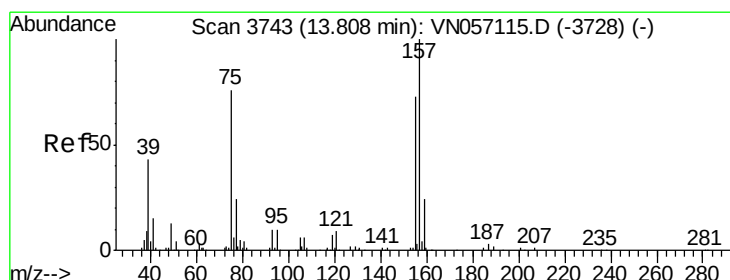
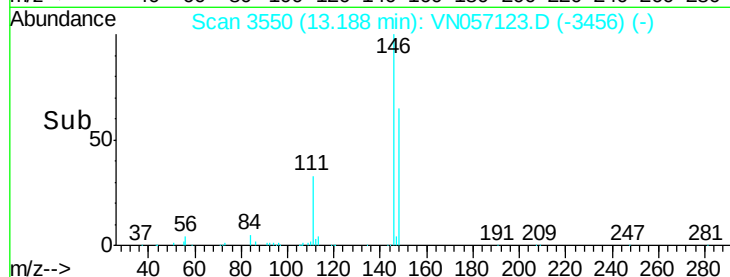
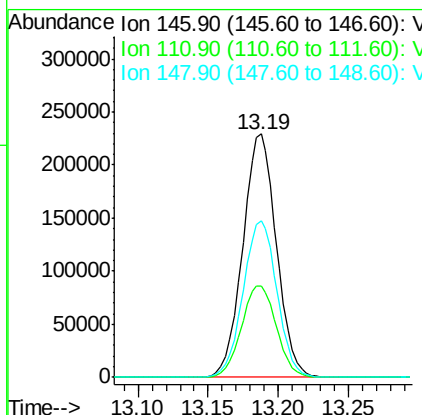
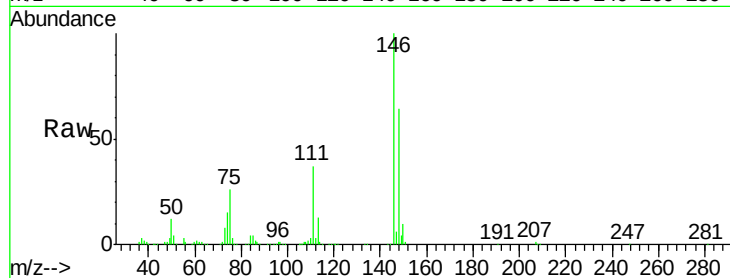
#91
 1,2-Dichlorobenzene
 Concen: 19.920 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.1	19.2	57.6	
148	64.9	32.4	97.0	

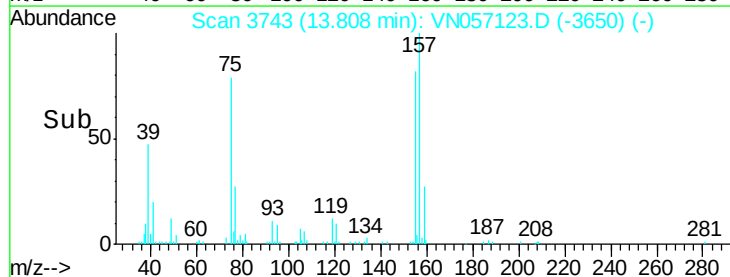
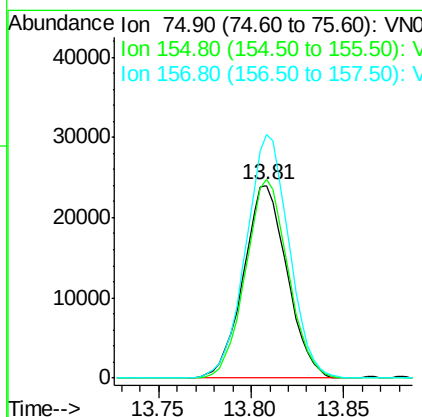
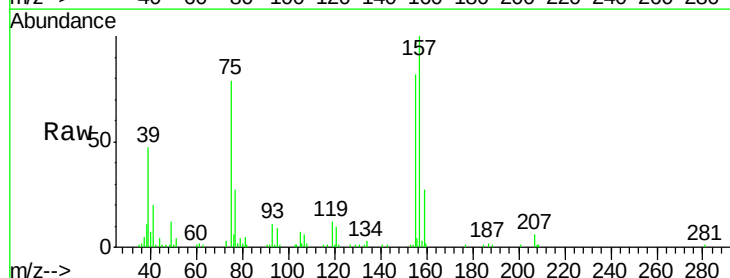
Manual Integrations
 APPROVED

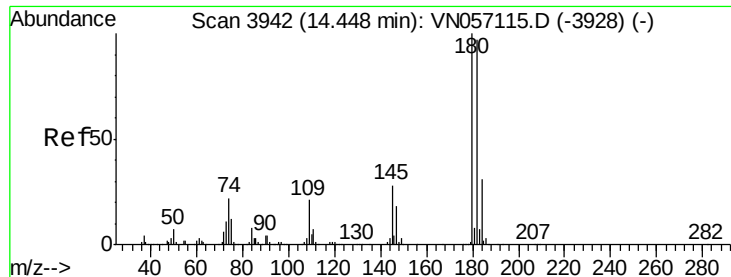
MMDadoda
 8/9/2019 9:28:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.860 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. -0.00 min
 Lab File: VN057123.D
 Acq: 8 Aug 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	100.4	49.3	147.9	
157	124.9	65.3	195.8	





#93

1,2,4-Trichlorobenzene

Concen: 18.211 ug/l

RT: 14.45 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

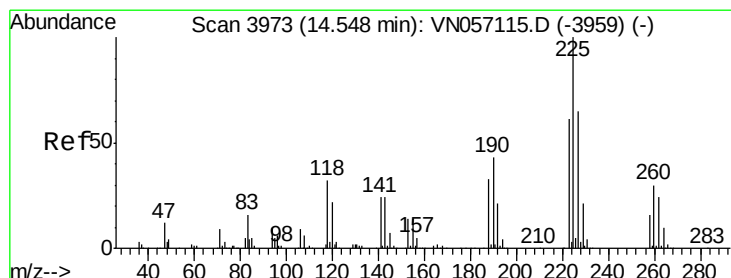
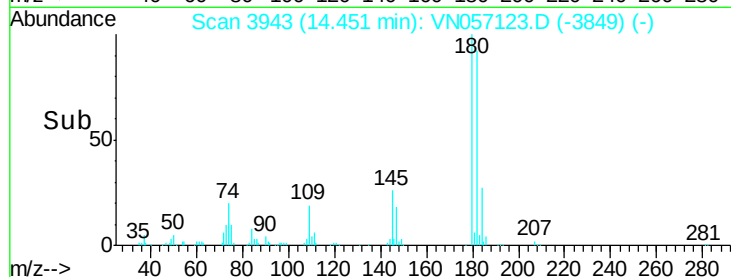
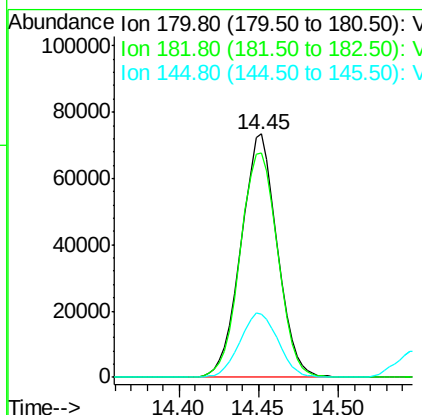
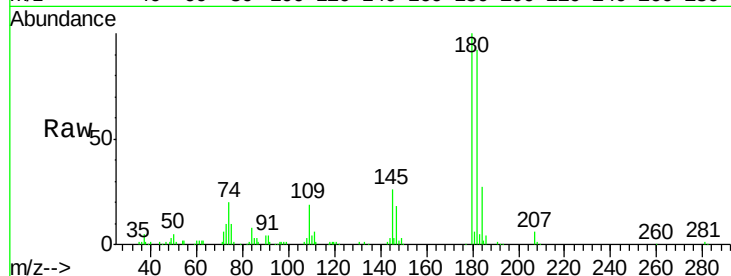
ClientSampled :

VN0808WBSD01

Tot Ion:	180	Resp:	113390
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.5	142.6
145	28.1	14.1	42.2

Manual Integrations
APPROVED

MMDadoda
8/9/2019 9:28:00 AM



#94

Hexachlorobutadiene

Concen: 22.545 ug/l

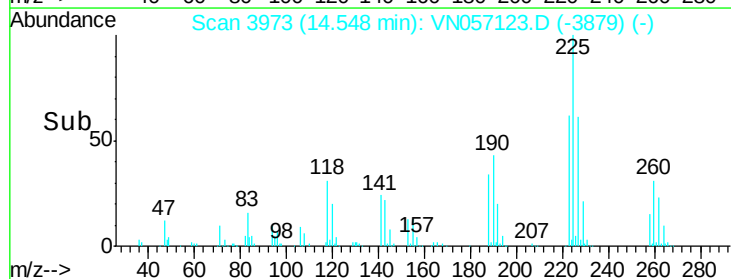
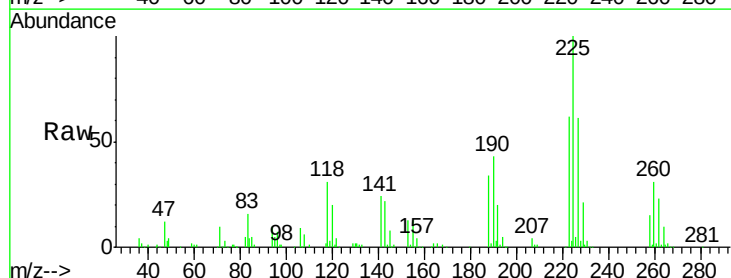
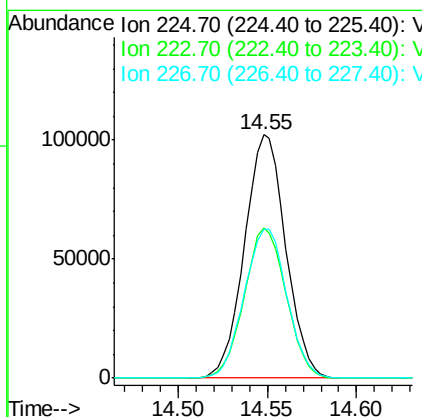
RT: 14.55 min Scan# 3973

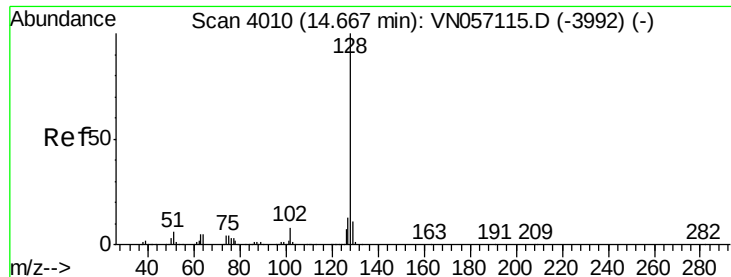
Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	225	Resp:	164831
Ion Ratio	Lower	Upper	
225	100		
223	62.4	30.9	92.8
227	63.4	32.4	97.0





#95

Naphthalene

Concen: 17.995 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Instrument :

MSVOA_N

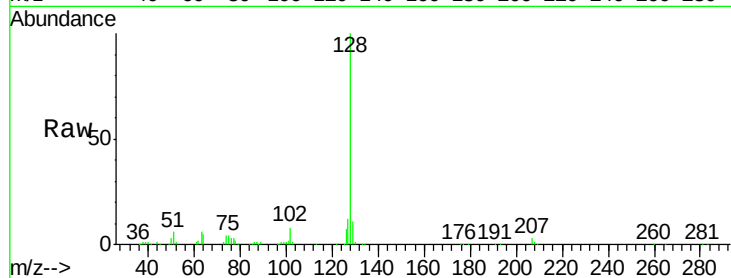
ClientSampled :

VN0808WBSD01

Tot Ion:	128	Resp:	233075
Ion Ratio		Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

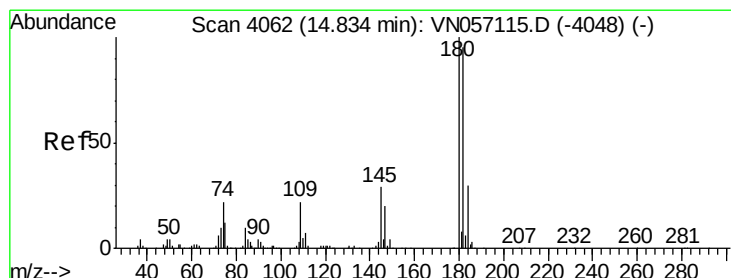
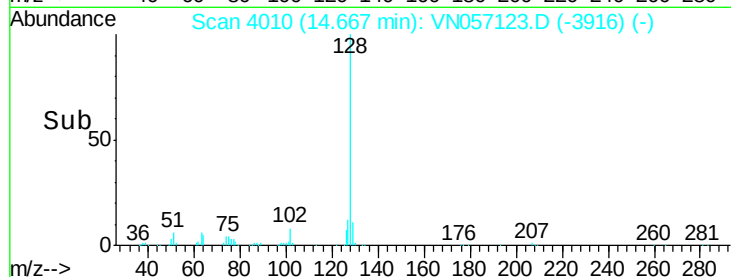
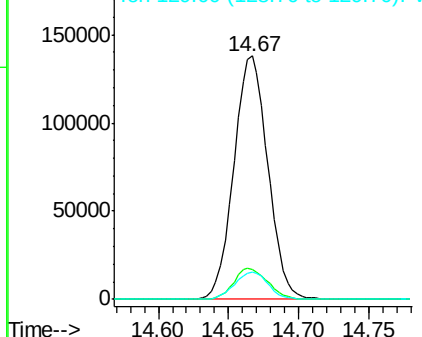
MMDadoda
8/9/2019 9:28:00 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.058 ug/l

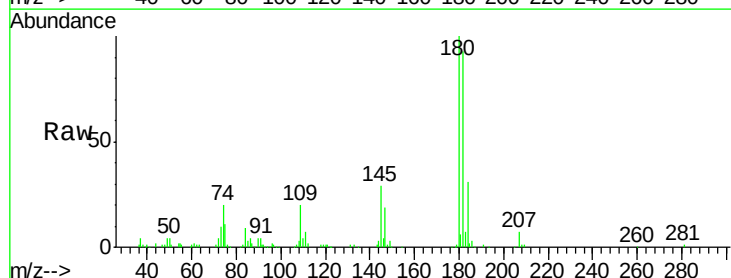
RT: 14.83 min Scan# 4062

Delta R.T. -0.00 min

Lab File: VN057123.D

Acq: 8 Aug 2019 11:32

Tgt Ion:	180	Resp:	126759
Ion Ratio		Lower	Upper
180	100		
182	91.6	48.3	144.8
145	29.5	14.9	44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

