

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057238.D
 Acq On : 13 Aug 2019 00:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:07 AM

Quant Time: Aug 13 09:42:12 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	1028880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1540195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1394607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	584392	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	557424	52.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.36%	
35) Dibromofluoromethane	6.99	113	505484	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
50) Toluene-d8	9.56	98	1915370	51.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.92	95	649592	54.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.82	85	353521	42.750	ug/l	99
3) Chloromethane	2.00	50	429367	39.078	ug/l	98
4) Vinyl Chloride	2.11	62	422583	41.377	ug/l	100
5) Bromomethane	2.42	94	297160m	42.823	ug/l	
6) Chloroethane	2.55	64	294661	44.981	ug/l	99
7) Trichlorofluoromethane	2.82	101	686083	46.736	ug/l	98
8) Diethyl Ether	3.14	74	268652	47.367	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	405682	45.586	ug/l	98
10) Methyl Iodide	3.63	142	663328	49.325	ug/l	99
11) Tert butyl alcohol	4.24	59	368451	244.694	ug/l	100
12) 1,1-Dichloroethene	3.43	96	409768	46.805	ug/l	97
13) Acrolein	3.31	56	170051	178.517	ug/l	99
14) Allyl chloride	3.91	41	561877	44.162	ug/l	97
15) Acrylonitrile	4.44	53	1048112	257.190	ug/l	100
16) Acetone	3.47	43	792041	247.857	ug/l	97
17) Carbon Disulfide	3.72	76	1022231	43.890	ug/l	100
18) Methyl Acetate	3.89	43	498323	52.370	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1328315	50.257	ug/l	98
20) Methylene Chloride	4.10	84	484709	45.960	ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	440347	46.173	ug/l	100
22) Diisopropyl ether	5.32	45	1317783	47.485	ug/l	98
23) Vinyl Acetate	5.26	43	5251046	247.095	ug/l	100
24) 1,1-Dichloroethane	5.25	63	799173	46.845	ug/l	98
25) 2-Butanone	6.20	43	1264262	258.947	ug/l	99
26) 2,2-Dichloropropane	6.21	77	445933	35.929	ug/l	96
27) cis-1,2-Dichloroethene	6.21	96	527585	48.289	ug/l	98
28) Bromochloromethane	6.58	49	393210	50.110	ug/l	99
29) Tetrahydrofuran	6.60	42	824221	250.604	ug/l	97
30) Chloroform	6.76	83	843653	47.780	ug/l	100
31) Cyclohexane	7.07	56	653163	42.556	ug/l	96
32) 1,1,1-Trichloroethane	6.98	97	724100	48.885	ug/l	100
36) 1,1-Dichloropropene	7.20	75	603502	47.590	ug/l	100
37) Ethyl Acetate	6.28	43	529362	50.639	ug/l #	99
38) Carbon Tetrachloride	7.18	117	649143	49.118	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	689003	44.678	ug/l	95
40) Benzene	7.46	78	1876333	46.738	ug/l	99
41) Methacrylonitrile	6.55	41	254897	48.003	ug/l	93
42) 1,2-Dichloroethane	7.54	62	619134	48.357	ug/l	100
43) Isopropyl Acetate	7.56	43	963401	54.004	ug/l	96
44) Trichloroethene	8.27	130	534191	47.496	ug/l	99
45) 1,2-Dichloropropane	8.56	63	489401	47.082	ug/l	99
46) Dibromomethane	8.65	93	327888	49.196	ug/l	98
47) Bromodichloromethane	8.85	83	651508	50.520	ug/l	98
48) Methyl methacrylate	8.64	41	414555	49.281	ug/l	99
49) 1,4-Dioxane	8.64	88	176293	1028.985	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	2651769	255.409	ug/l	100
52) Toluene	9.63	92	1191210	47.803	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	667957	49.579	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	736630	47.650	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	476419	48.618	ug/l	99
56) Ethyl methacrylate	9.90	69	700458	51.052	ug/l	99
57) 1,3-Dichloropropane	10.19	76	785053	48.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1009521	187.960	ug/l	98
59) 2-Hexanone	10.24	43	1876721	267.083	ug/l	99
60) Dibromochloromethane	10.39	129	548025	53.250	ug/l	100
61) 1,2-Dibromoethane	10.50	107	504295	49.872	ug/l	100
64) Tetrachloroethene	10.11	164	556142	47.951	ug/l	95
65) Chlorobenzene	10.93	112	1326600	47.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	521959	49.754	ug/l	100
67) Ethyl Benzene	11.01	91	2290213	47.422	ug/l	99
68) m/p-Xylenes	11.13	106	1728866	97.170	ug/l	100
69) o-Xylene	11.46	106	846208	47.788	ug/l	99
70) Styrene	11.48	104	1410488	50.998	ug/l	99
71) Bromoform	11.64	173	418745	54.491	ug/l #	99
73) Isopropylbenzene	11.77	105	2269435	47.550	ug/l	100
74) N-amyl acetate	11.59	43	691816	46.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.03	83	652347	51.298	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	551812m	48.278	ug/l	
77) Bromobenzene	12.05	156	611532	43.536	ug/l	97
78) n-propylbenzene	12.11	91	2371377	42.298	ug/l	100
79) 2-Chlorotoluene	12.20	91	1471829	47.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	1887055	41.826	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	176646	44.445	ug/l	96
82) 4-Chlorotoluene	12.30	91	1411947	43.496	ug/l	100
83) tert-Butylbenzene	12.52	119	1683656	47.223	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	1806228	41.419	ug/l	100
85) sec-Butylbenzene	12.70	105	2089347	41.036	ug/l	99
86) p-Isopropyltoluene	12.82	119	1836973	41.117	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	930615	46.537	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	869247	45.877	ug/l	100
89) n-Butylbenzene	13.15	91	1334054	43.220	ug/l	99
90) Hexachloroethane	13.41	117	347348	48.888	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	884051	44.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	87986	42.830	ug/l	96

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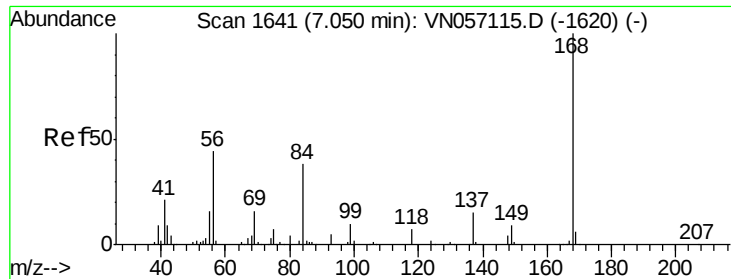
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	311092	38.305	ug/l	99
94) Hexachlorobutadiene	14.55	225	345652	49.565	ug/l	99
95) Naphthalene	14.67	128	630106	39.231	ug/l	99
96) 1,2,3-Trichlorobenzene	14.84	180	291925	35.235	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 1028880

Ion Ratio Lower Upper

168 100

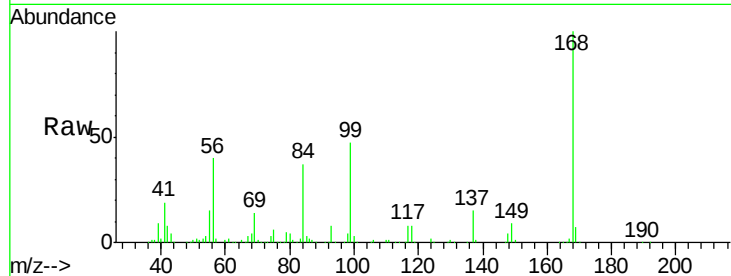
99 47.1 38.6 57.8

Manual Integrations

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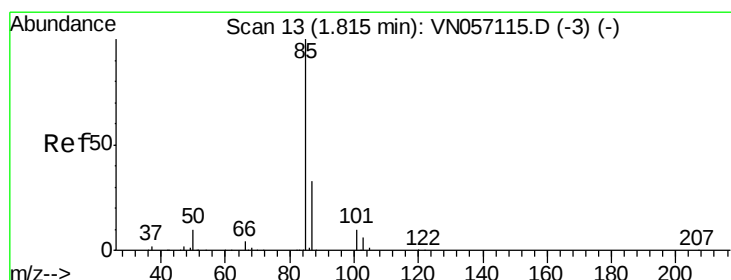
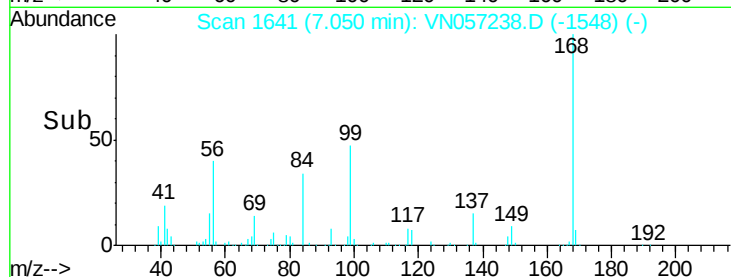
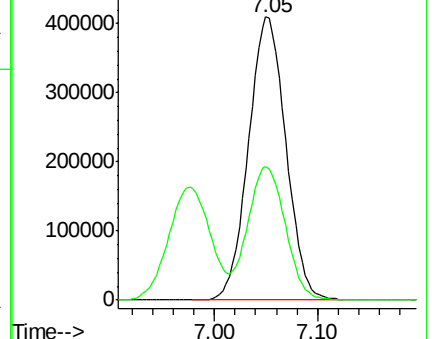
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.750 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057238.D

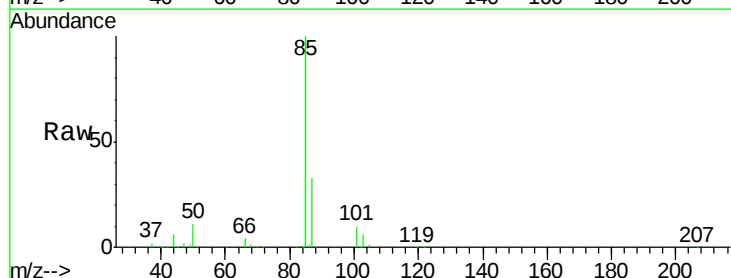
Acq: 13 Aug 2019 00:32

Tgt Ion: 85 Resp: 353521

Ion Ratio Lower Upper

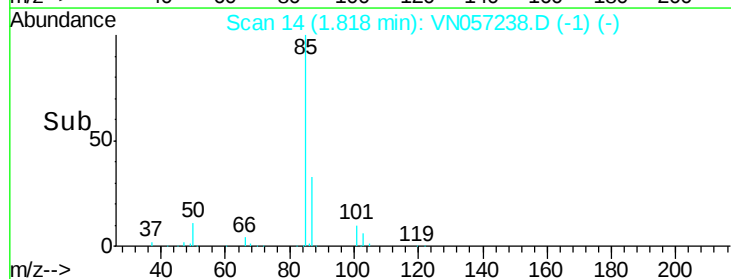
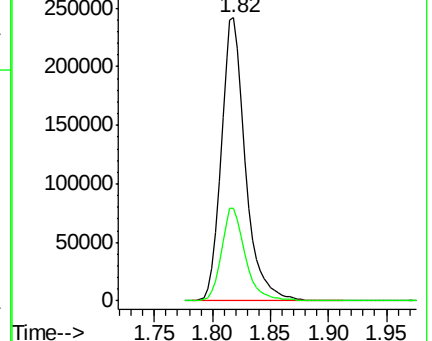
85 100

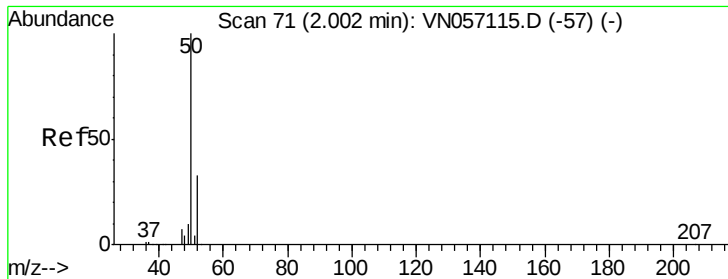
87 32.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 39.078 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 429367

Ion Ratio Lower Upper

50 100

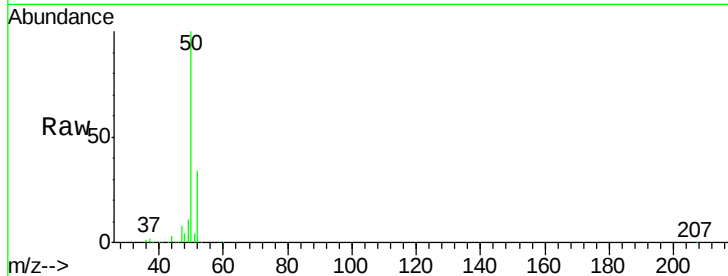
52 33.5 26.1 39.1

Manual Integrations

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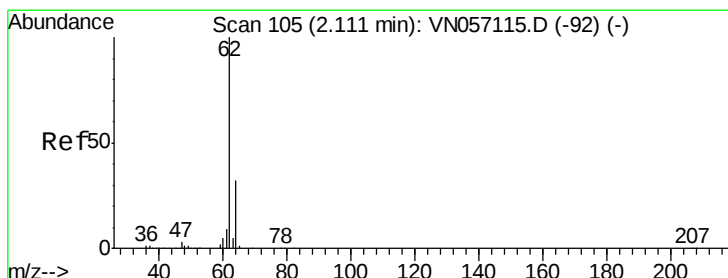
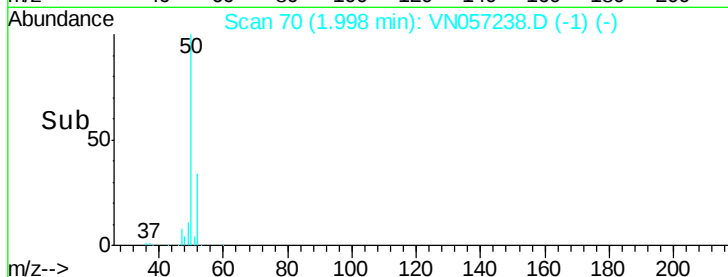
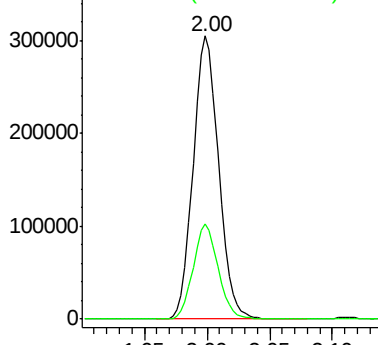
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 41.377 ug/l

RT: 2.11 min Scan# 104

Delta R.T. -0.00 min

Lab File: VN057238.D

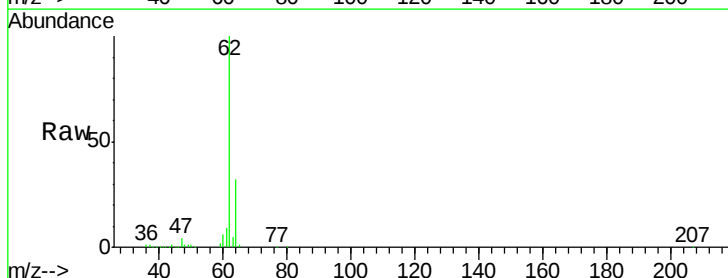
Acq: 13 Aug 2019 00:32

Tgt Ion: 62 Resp: 422583

Ion Ratio Lower Upper

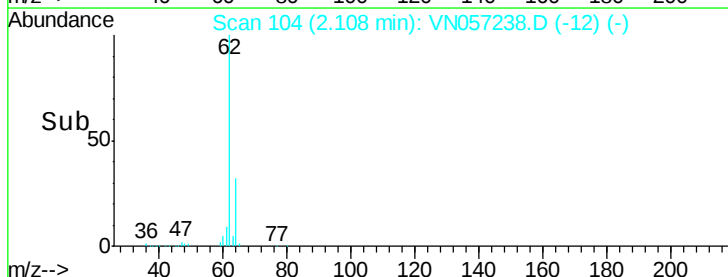
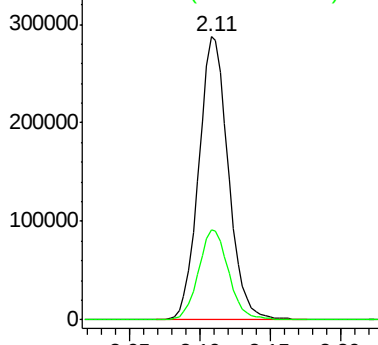
62 100

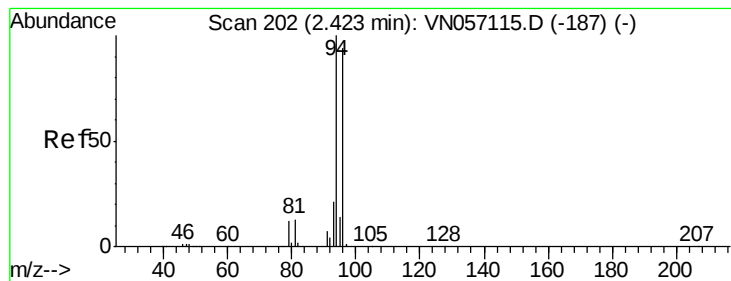
64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 42.823 ug/l m

RT: 2.42 min Scan# 200

Delta R.T. -0.01 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 297160

Ion Ratio Lower Upper

94 100

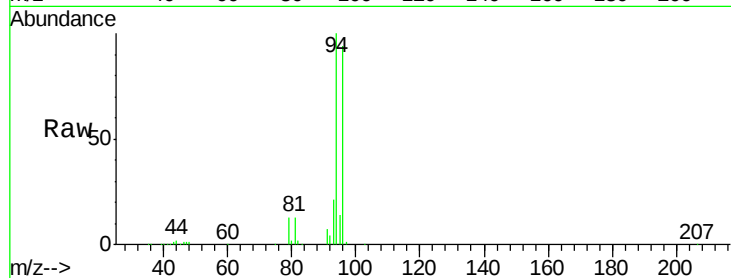
96 93.6 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

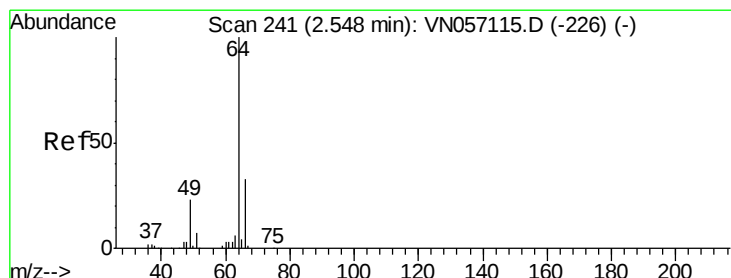
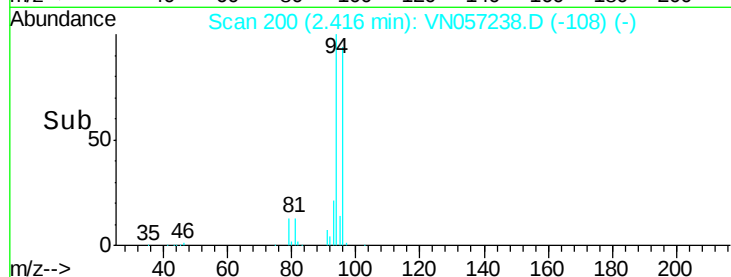
100000

50000

0

2.30 2.40 2.50 2.60

Time-->



#6

Chloroethane

Concen: 44.981 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057238.D

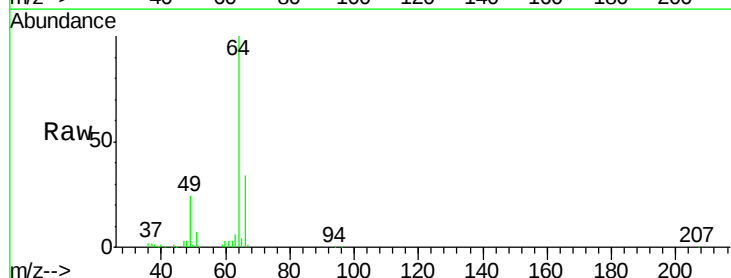
Acq: 13 Aug 2019 00:32

Tgt Ion: 64 Resp: 294661

Ion Ratio Lower Upper

64 100

66 33.5 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

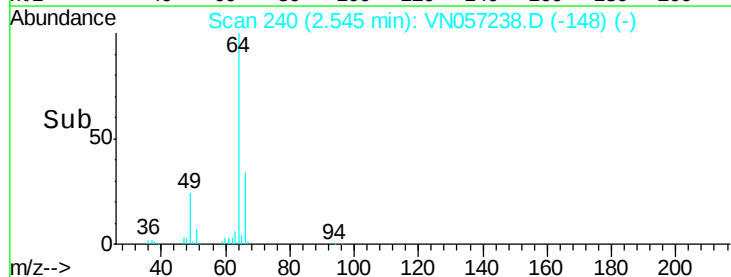
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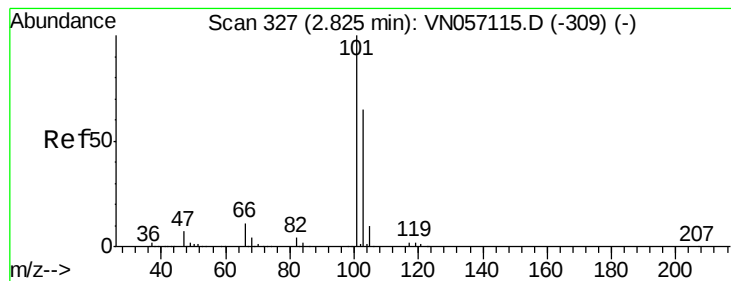
50000

0

2.50 2.55 2.60

Time-->





#7

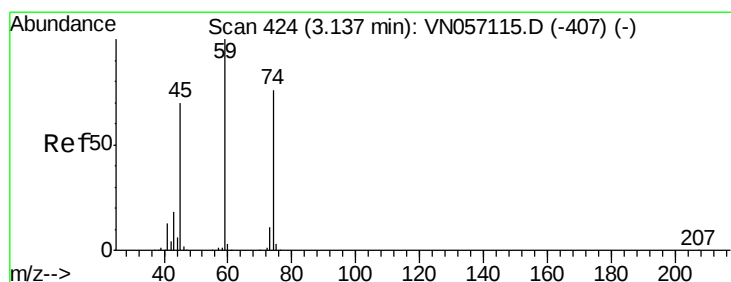
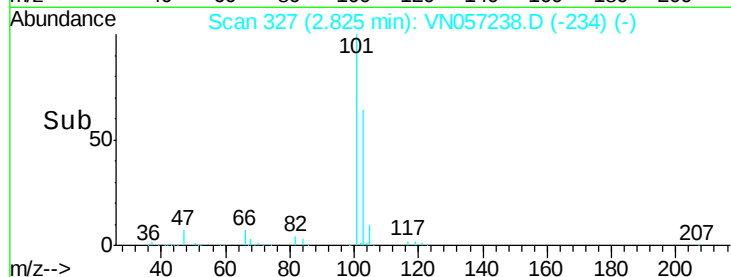
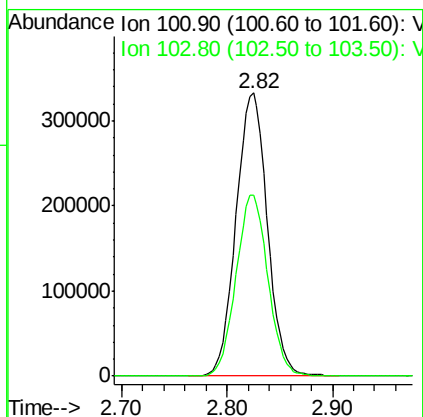
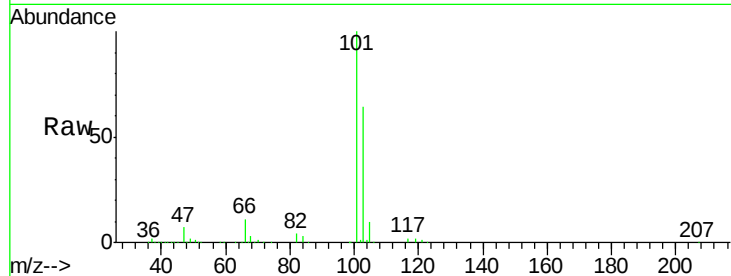
Trichlorofluoromethane
Concen: 46.736 ug/l
RT: 2.82 min Scan# 327
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.4

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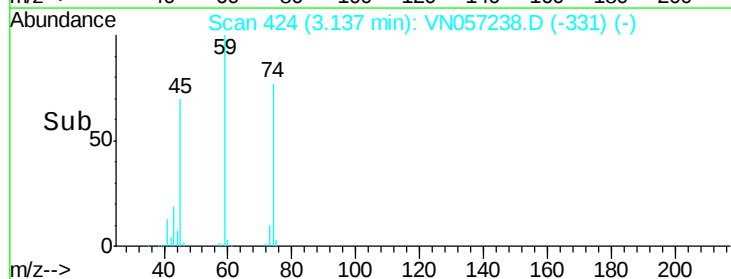
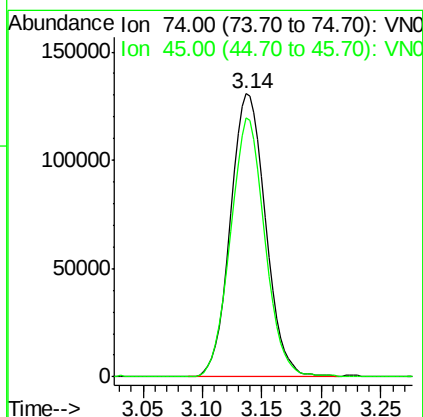
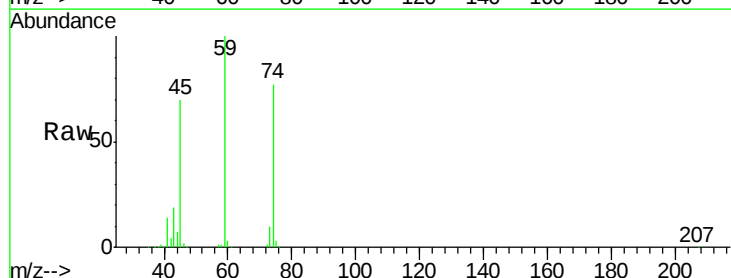
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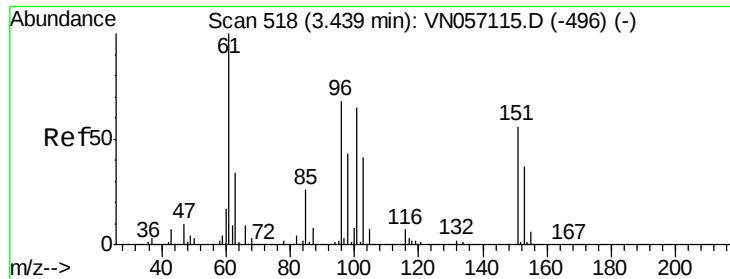


#8

Diethyl Ether
Concen: 47.367 ug/l
RT: 3.14 min Scan# 424
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	46.3	138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.586 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

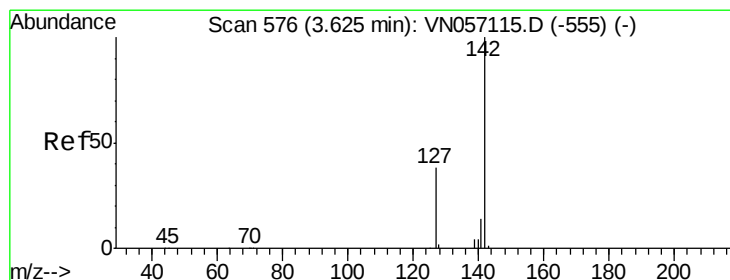
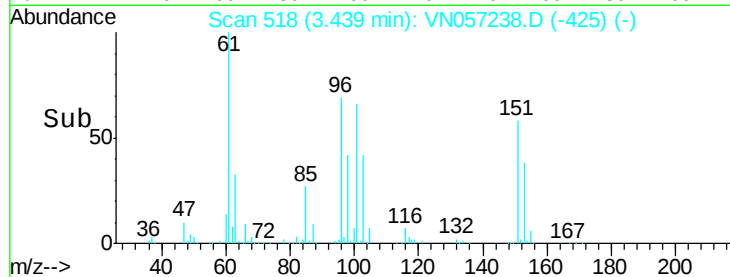
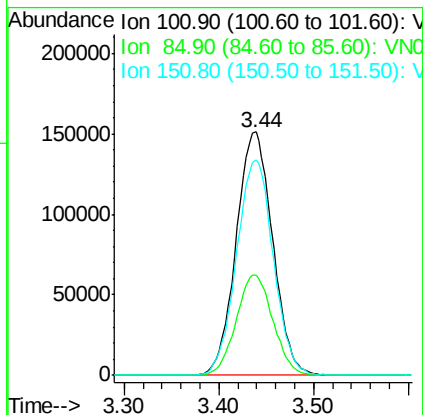
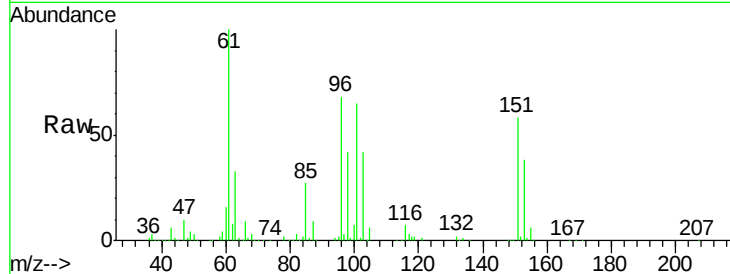
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	405682
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.3	48.5
151	89.3	69.4	104.0

Manual Integrations
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#10

Methyl Iodide

Concen: 49.325 ug/l

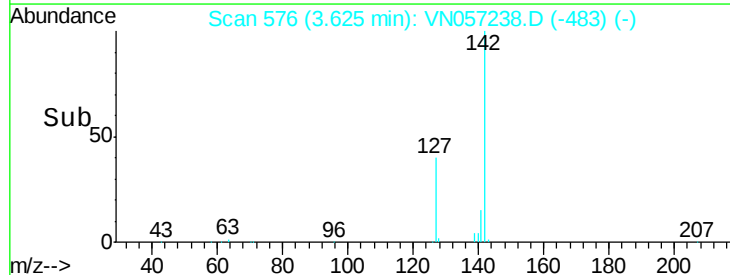
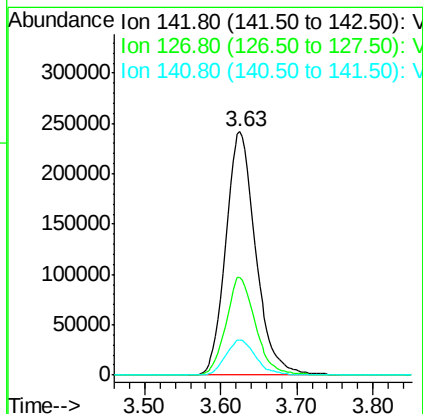
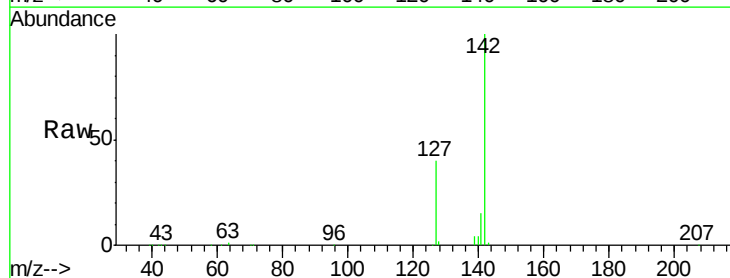
RT: 3.63 min Scan# 576

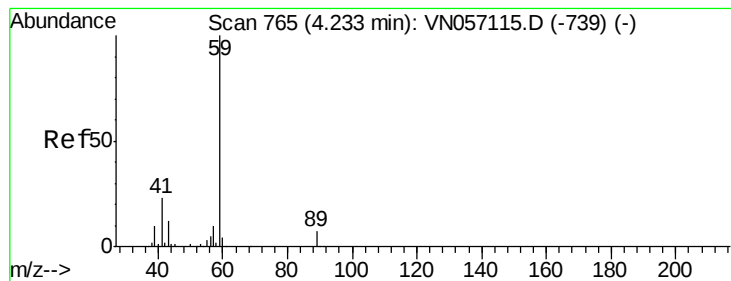
Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	142	Resp:	663328
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.0	46.6
141	14.6	11.2	16.8





#11

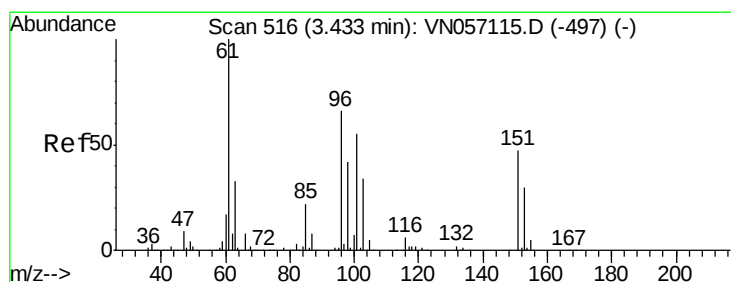
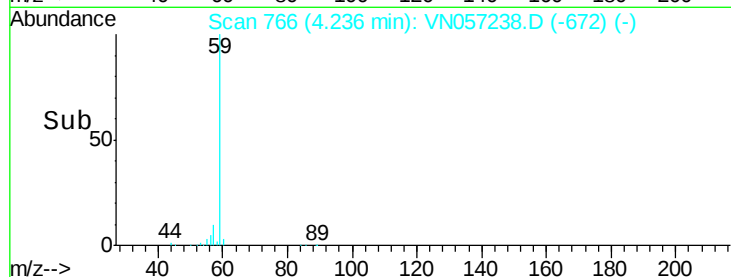
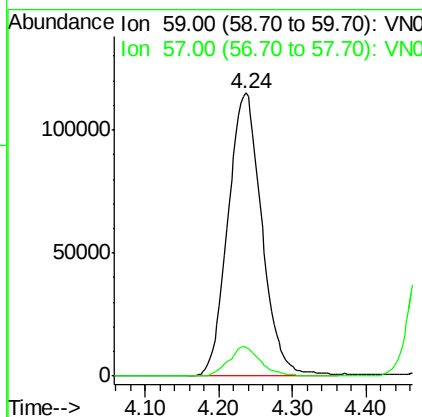
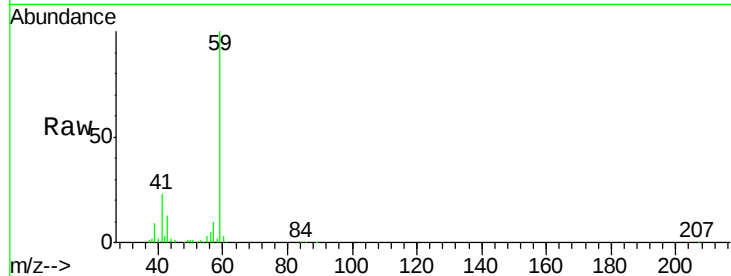
Tert butyl alcohol
Concen: 244.694 ug/l
RT: 4.24 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

Manual Integrations
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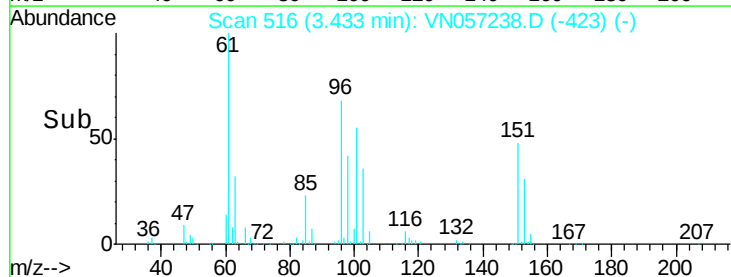
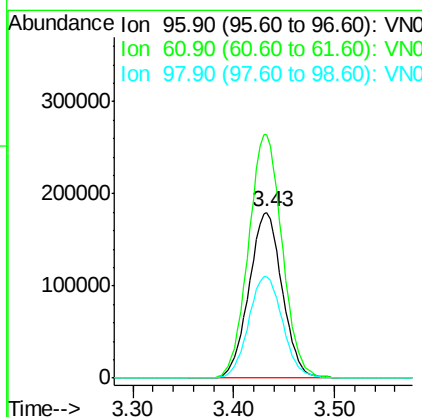
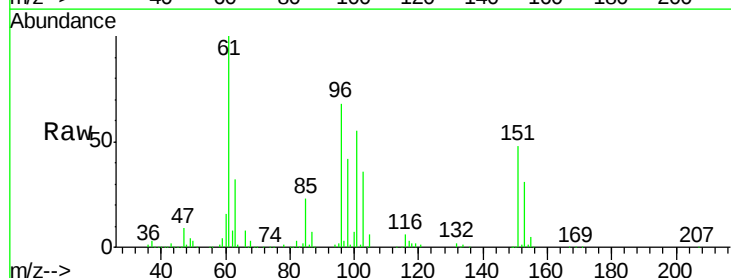
MMDadoda
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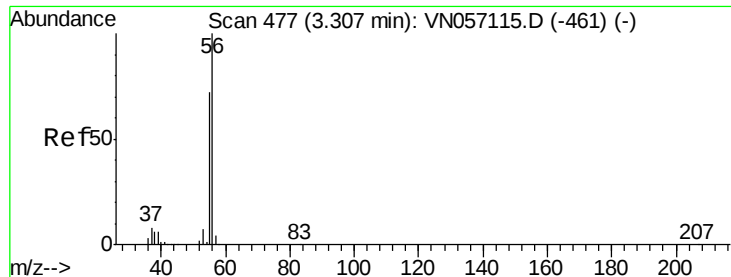


#12

1,1-Dichloroethene
Concen: 46.805 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.6	121.0	181.6
98	61.5	50.8	76.2





#13

Acrolein

Concen: 178.517 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 170051

Ion Ratio Lower Upper

56 100

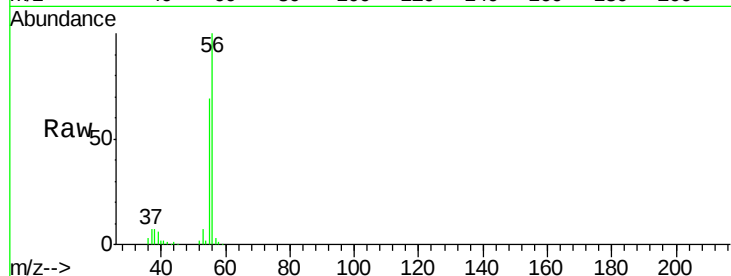
55 71.4 57.7 86.5

Manual Integrations

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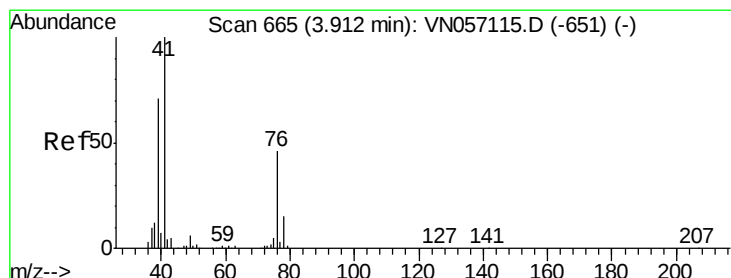
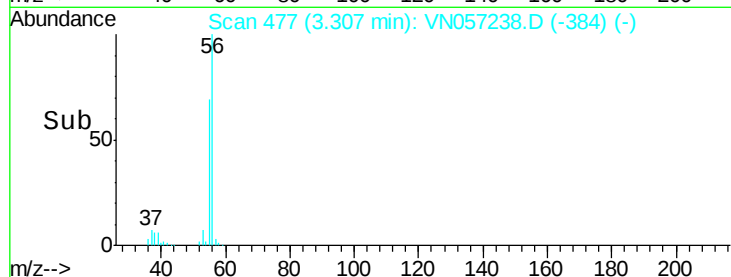
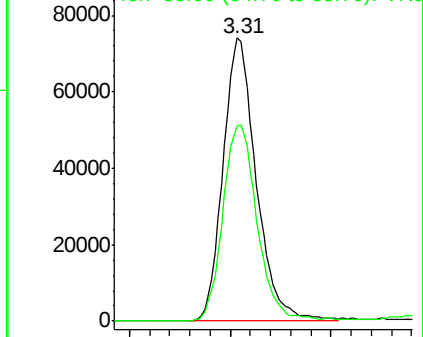
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 44.162 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

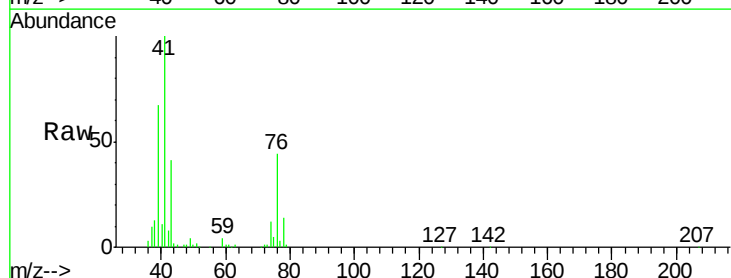
Tgt Ion: 41 Resp: 561877

Ion Ratio Lower Upper

41 100

39 67.7 51.1 76.7

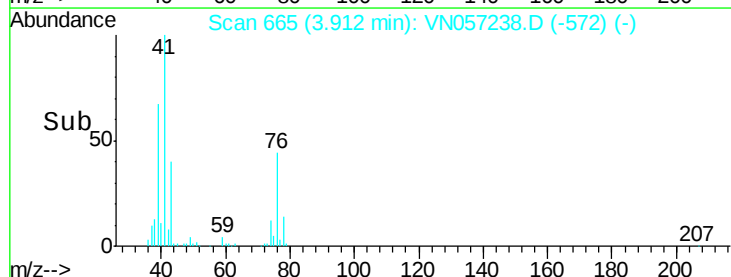
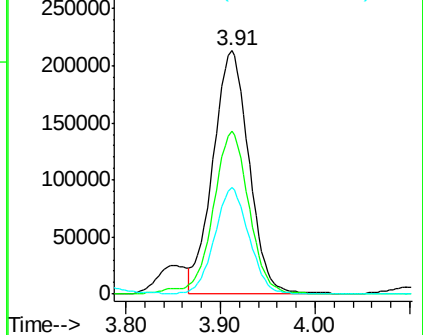
76 41.7 32.8 49.2

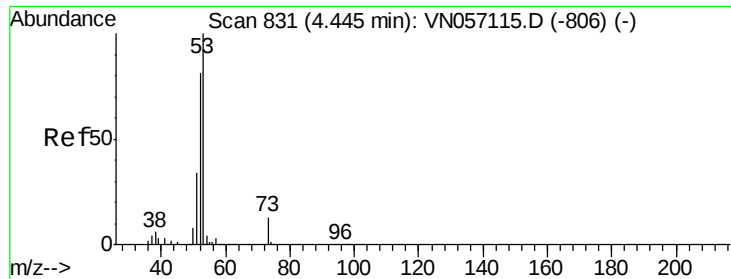


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 257.190 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

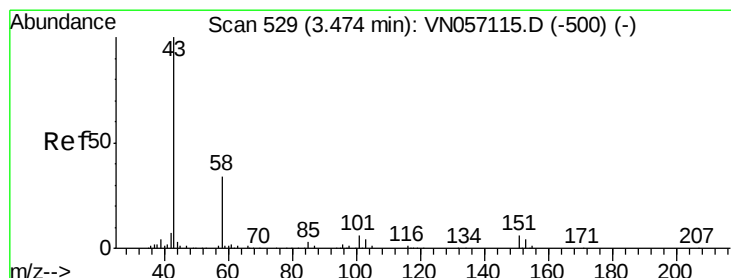
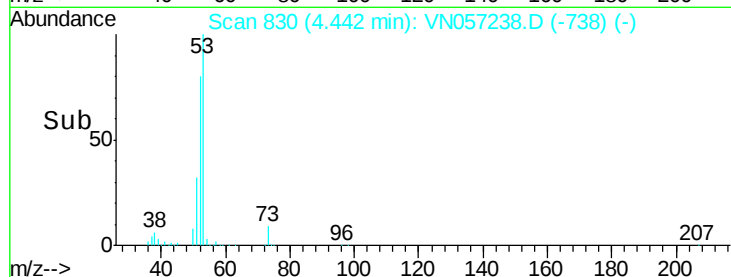
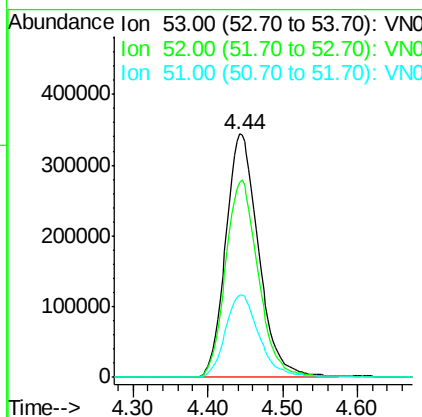
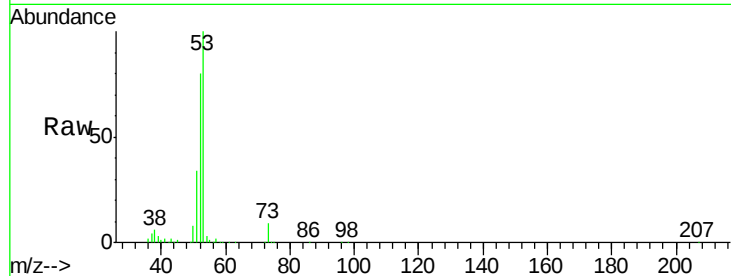
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	1048112
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.9	97.3
51	35.0	27.8	41.6

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#16

Acetone

Concen: 247.857 ug/l

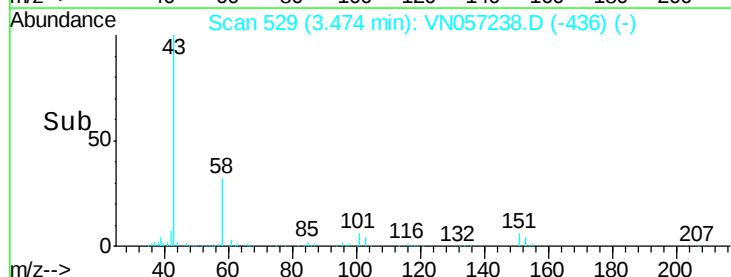
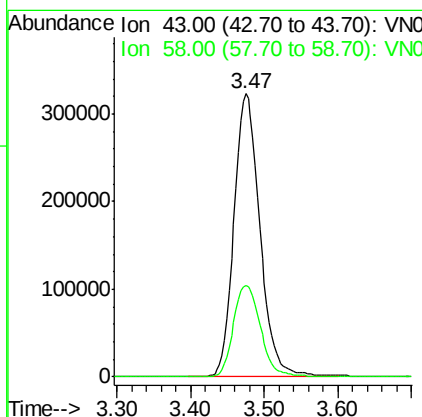
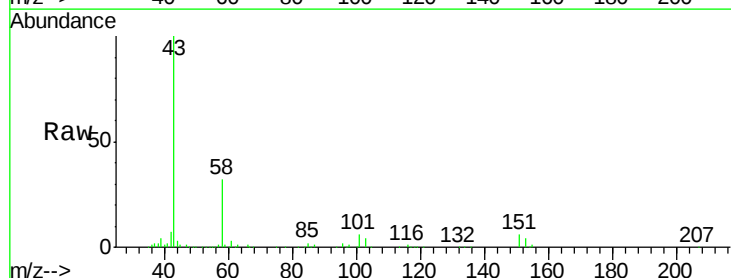
RT: 3.47 min Scan# 529

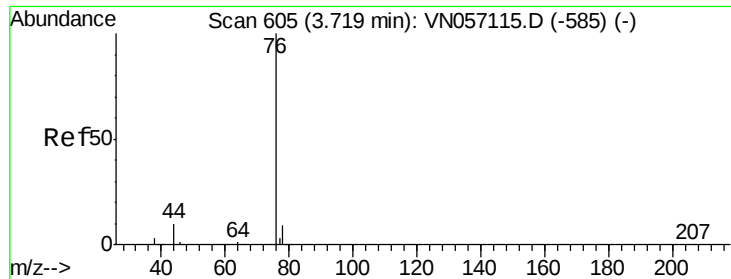
Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	43	Resp:	792041
Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.4	41.2





#17

Carbon Disulfide

Concen: 43.890 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1022231

Ion Ratio Lower Upper

76 100

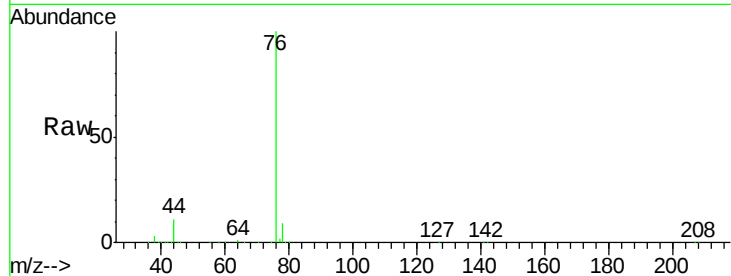
78 8.9 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN057238.D (-512) (-)

Ion 77.90 (77.60 to 78.60): VN057238.D (-512) (-)

3.72

400000

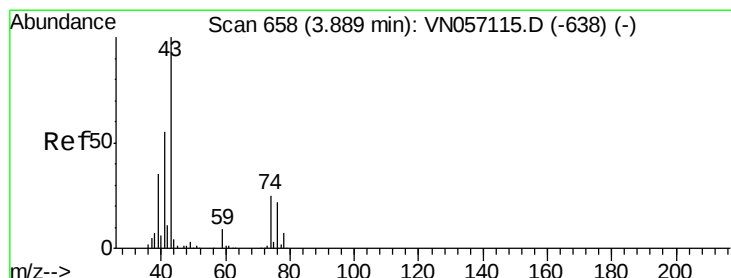
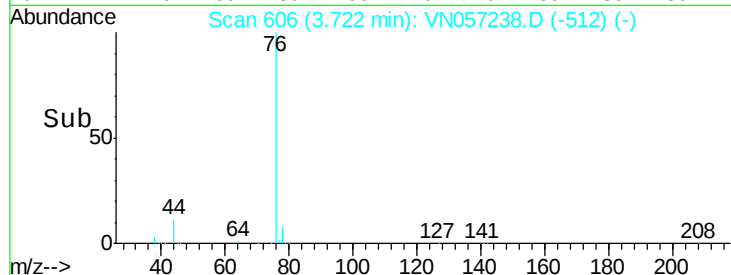
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 52.370 ug/l

RT: 3.89 min Scan# 658

Delta R.T. 0.00 min

Lab File: VN057238.D

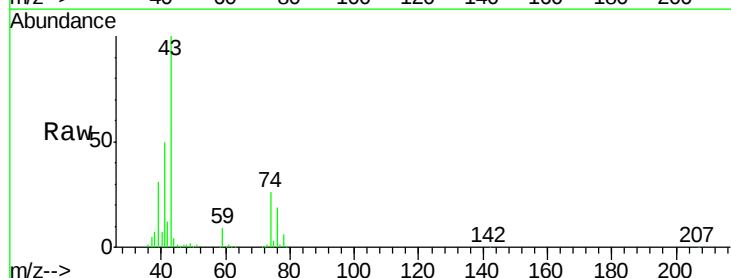
Acq: 13 Aug 2019 00:32

Tgt Ion: 43 Resp: 498323

Ion Ratio Lower Upper

43 100

74 25.8 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN057238.D (-565) (-)

Ion 74.00 (73.70 to 74.70): VN057238.D (-565) (-)

3.89

200000

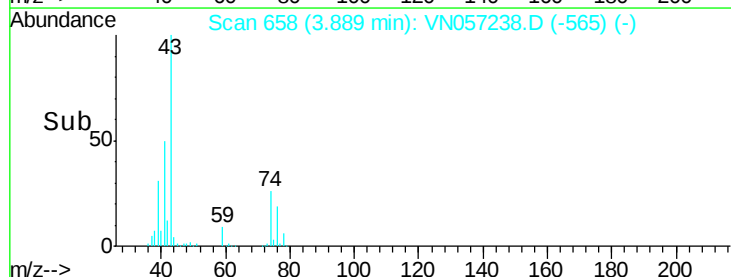
150000

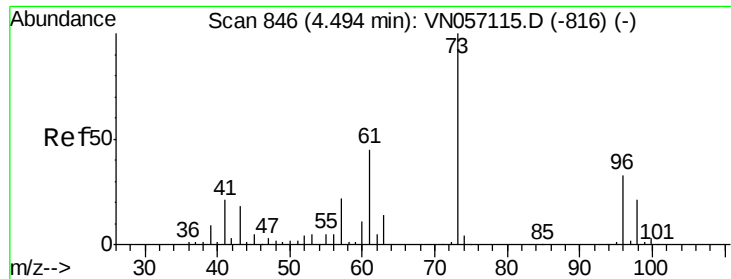
100000

50000

0

Time-->





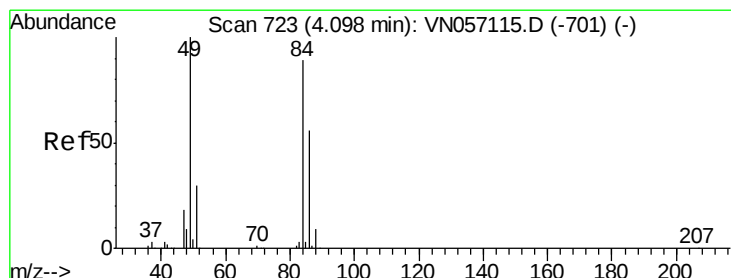
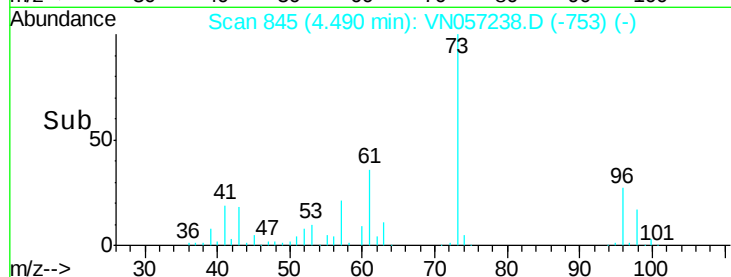
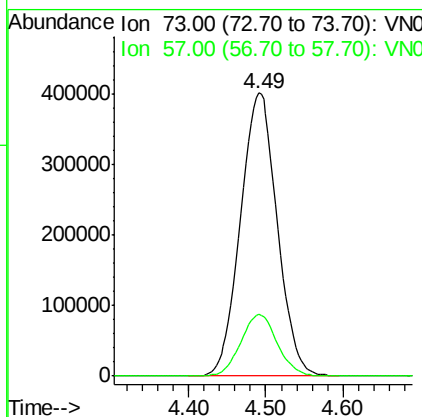
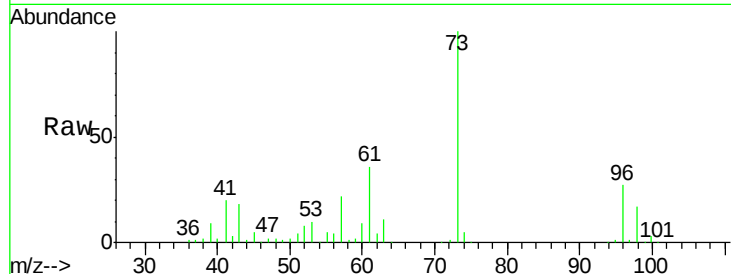
#19
Methvl tert-butvl Ether
Concen: 50.257 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1328315
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0

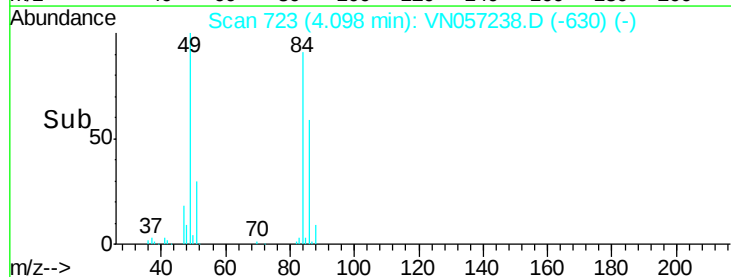
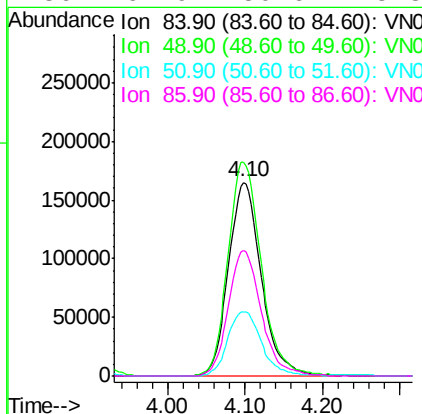
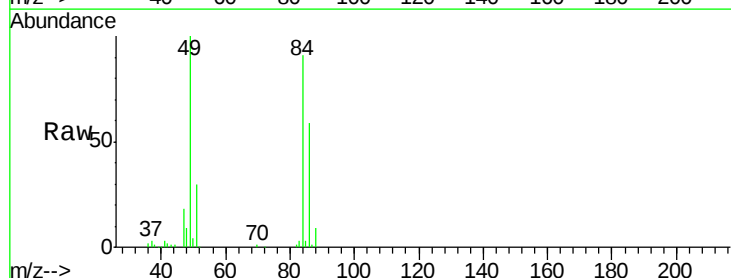
Manual Integrations
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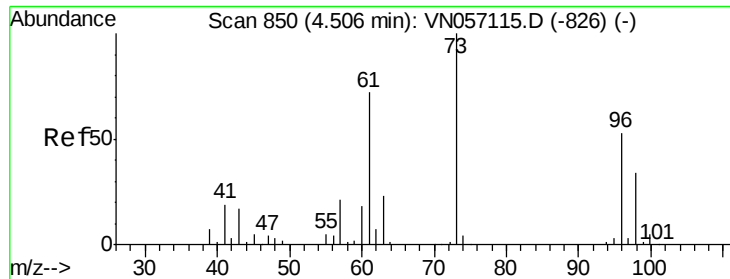
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#20
Methylene Chloride
Concen: 45.960 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 84 Resp: 484709
Ion Ratio Lower Upper
84 100
49 110.1 89.5 134.3
51 33.3 27.2 40.8
86 64.9 50.6 75.8





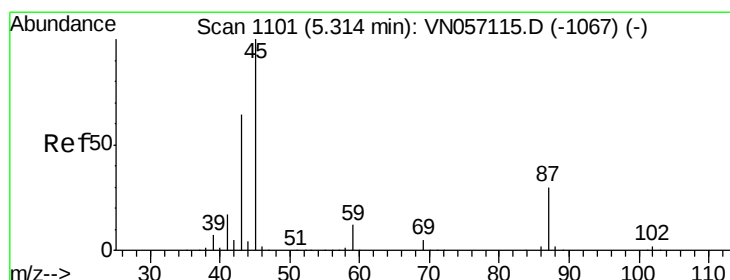
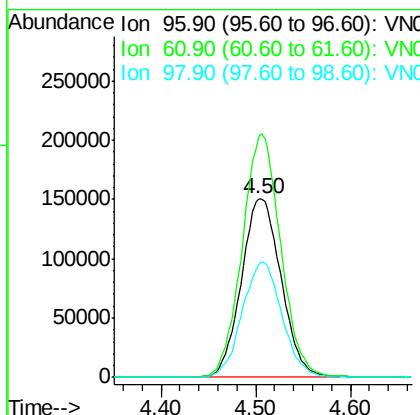
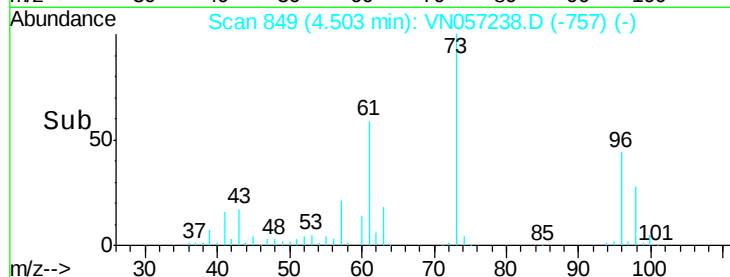
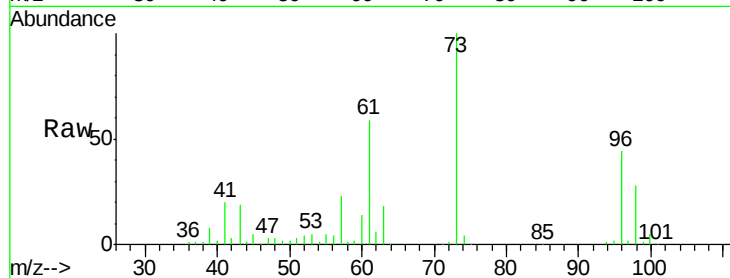
#21
trans-1,2-Dichloroethene
Concen: 46.173 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	108.1	162.1
98	63.3	50.5	75.7

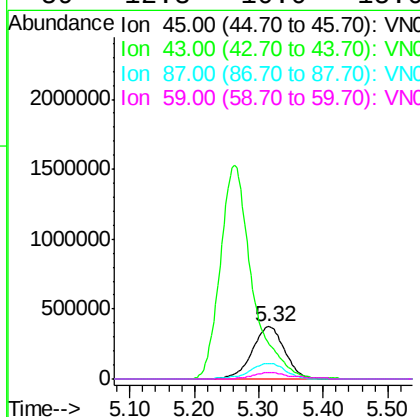
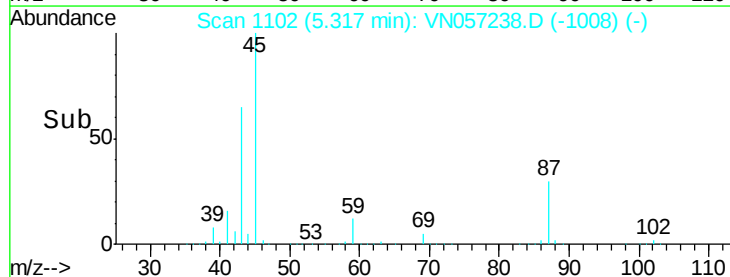
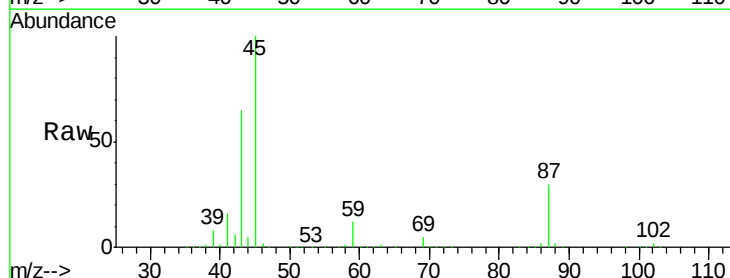
Manual Integrations
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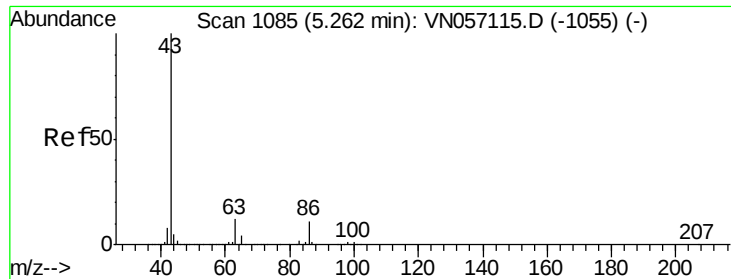
MMDadoda
8/14/2019 9:23:07 AM



#22
Diisopropyl ether
Concen: 47.485 ug/l
RT: 5.32 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.0	54.1	81.1
87	29.9	24.0	36.0
59	12.3	10.0	15.0





#23

Vinyl Acetate

Concen: 247.095 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tot Ion: 43 Resp: 5251046

Ion Ratio Lower Upper

43 100

86 11.3 9.2 13.8

Instrument :

MSVOA_N

ClientSampleId :

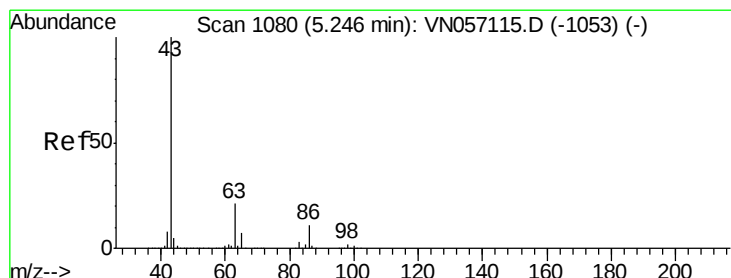
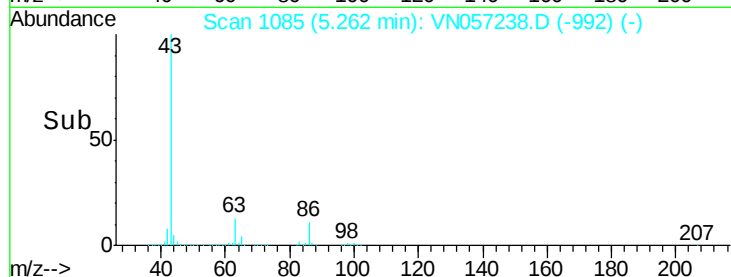
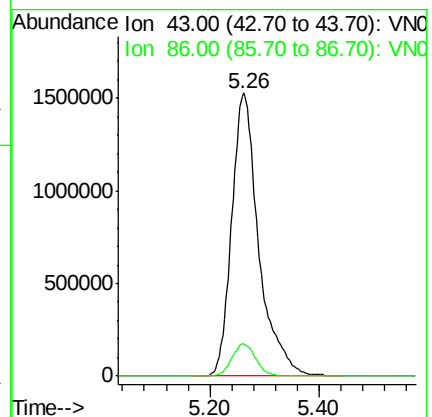
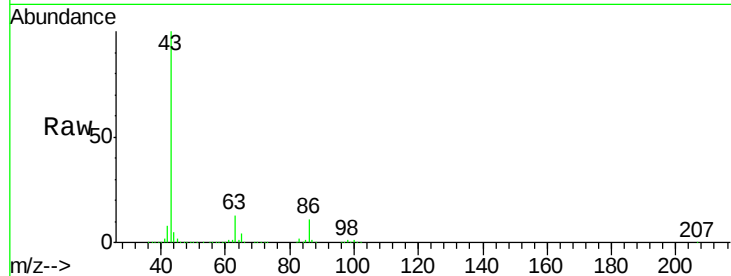
VSTDCCC050EC

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.845 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

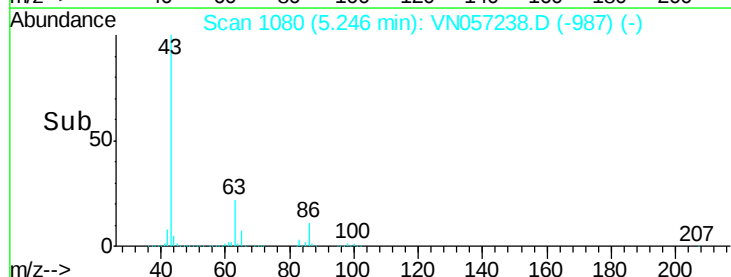
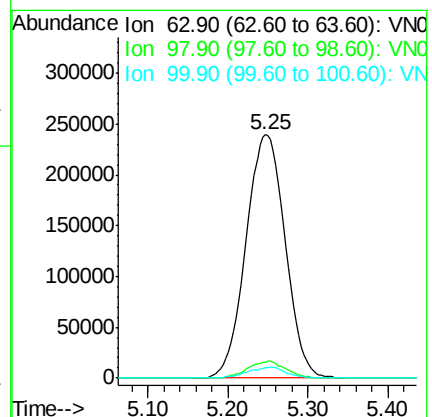
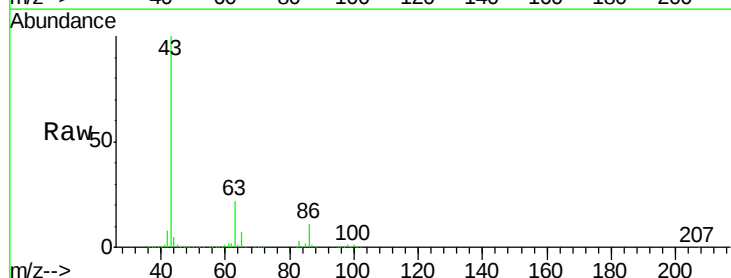
Tgt Ion: 63 Resp: 799173

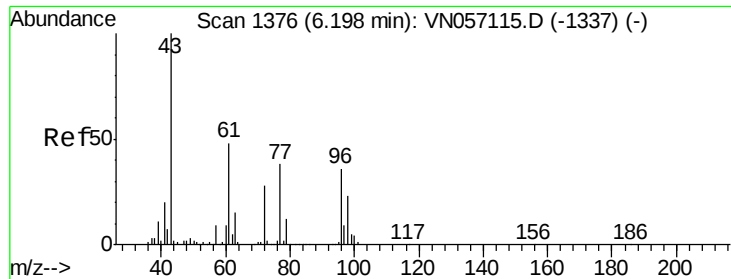
Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

100 4.3 2.1 6.3





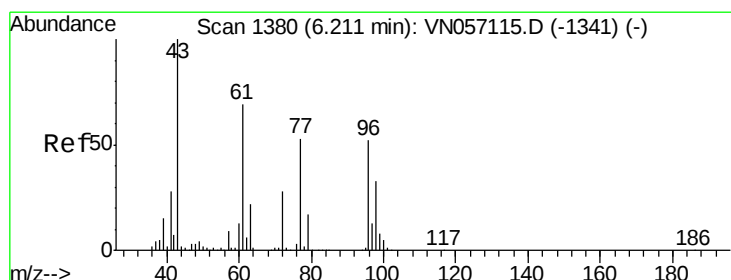
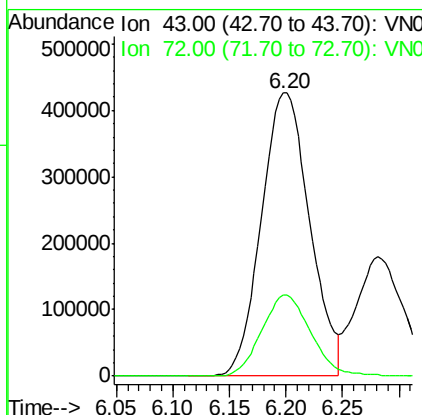
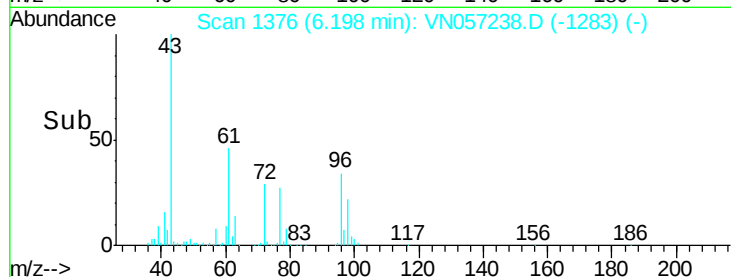
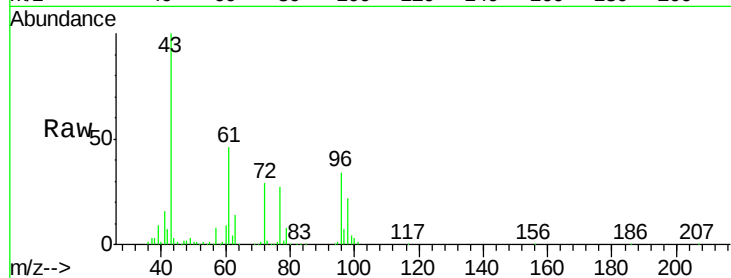
#25
2-Butanone
Concen: 258.947 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1264262
Ion Ratio Lower Upper
43 100
72 28.6 22.2 33.4

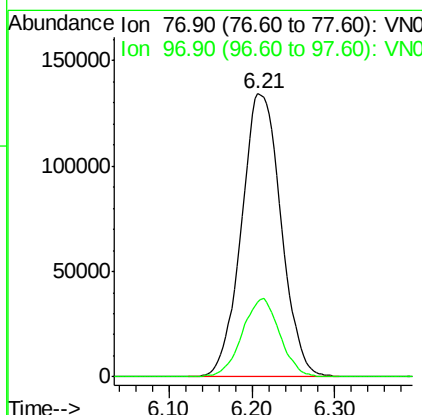
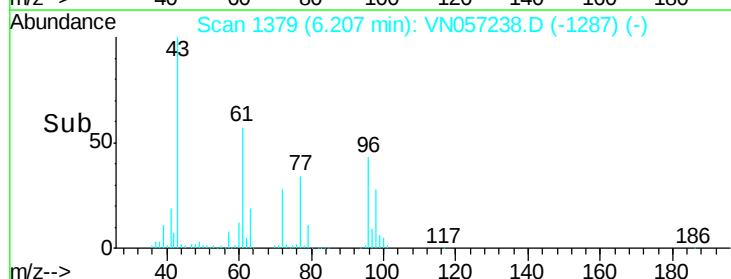
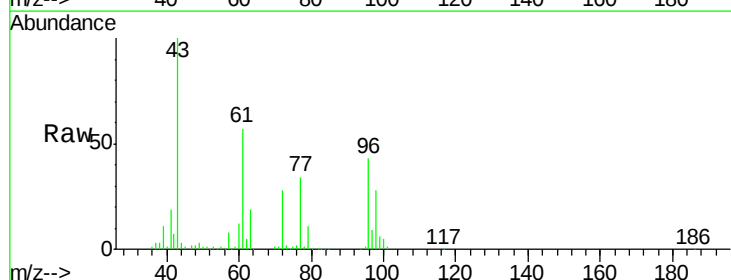
Manual Integrations
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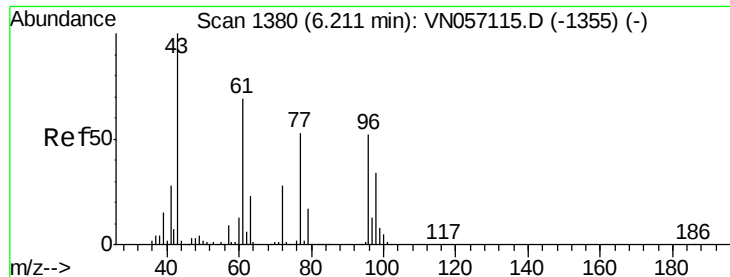
MMDadoda
8/14/2019 9:23:07 AM



#26
2,2-Dichloropropane
Concen: 35.929 ug/l
RT: 6.21 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 77 Resp: 445933
Ion Ratio Lower Upper
77 100
97 26.3 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 48.289 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057238.D

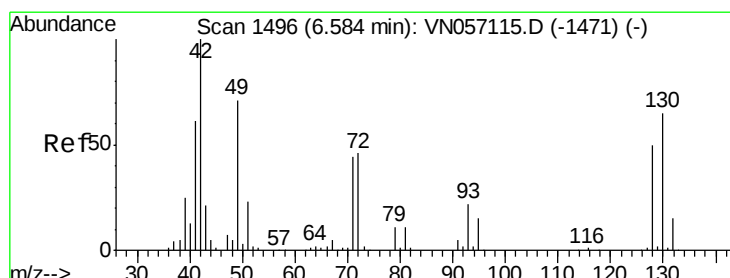
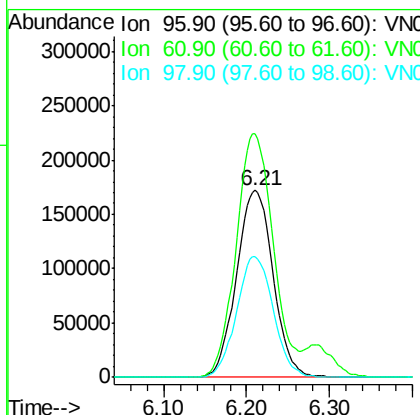
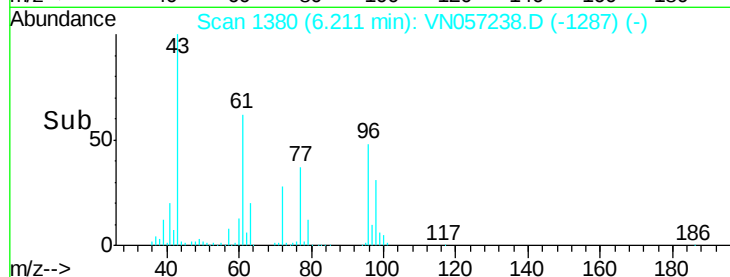
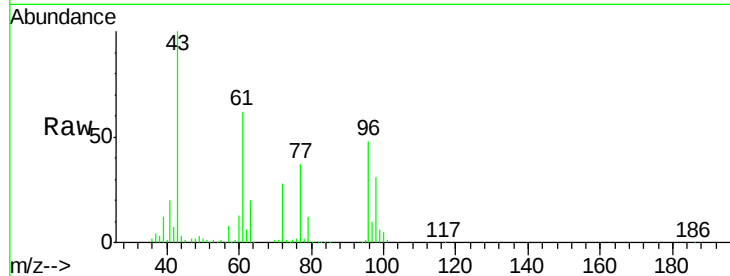
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	527585		
61	132.9	0.0	273.4	
98	64.8	0.0	130.4	

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#28

Bromochloromethane

Concen: 50.110 ug/l

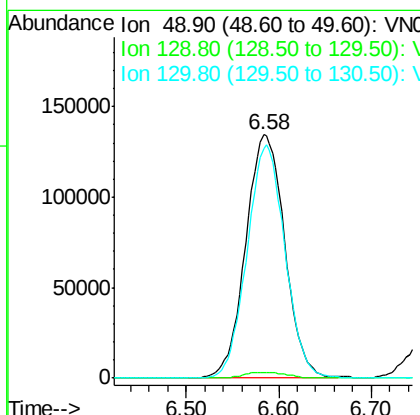
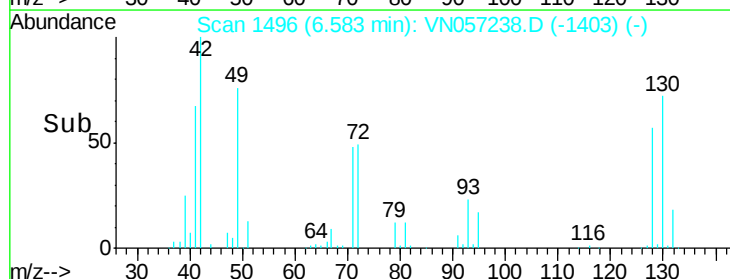
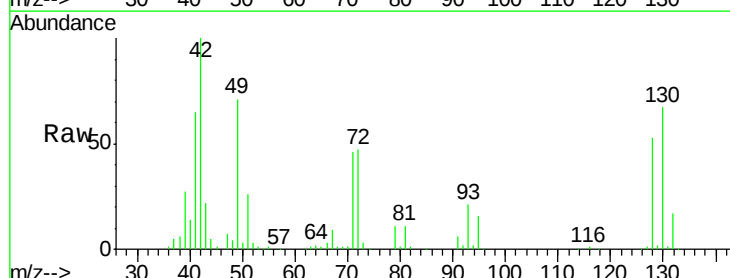
RT: 6.58 min Scan# 1496

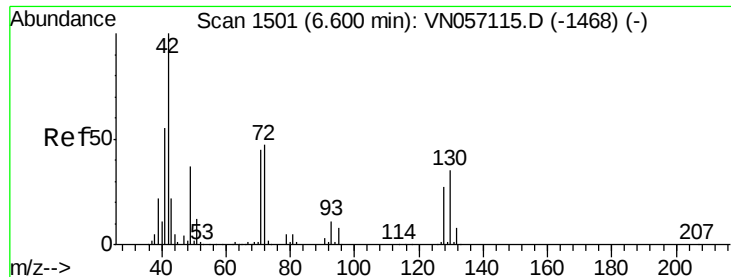
Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	393210		
129	0.9	0.0	4.8	
130	93.0	73.8	110.8	





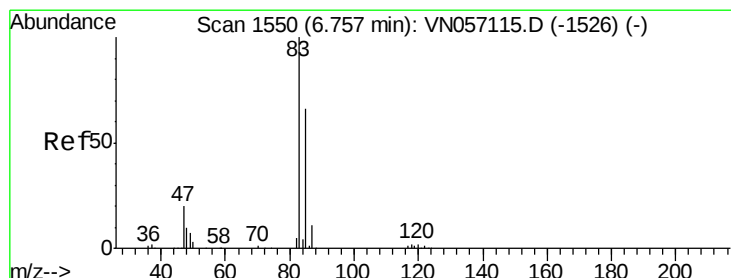
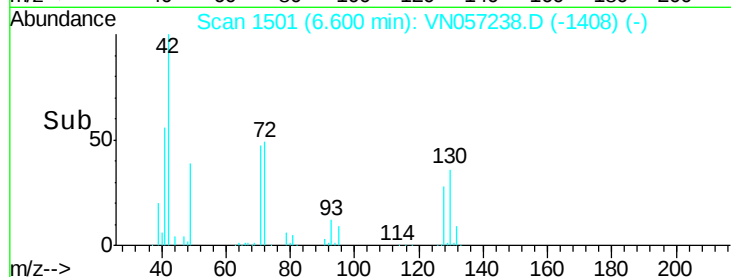
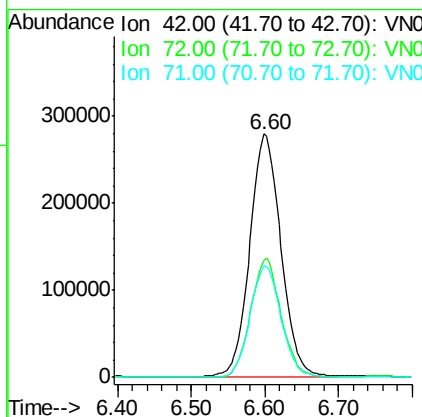
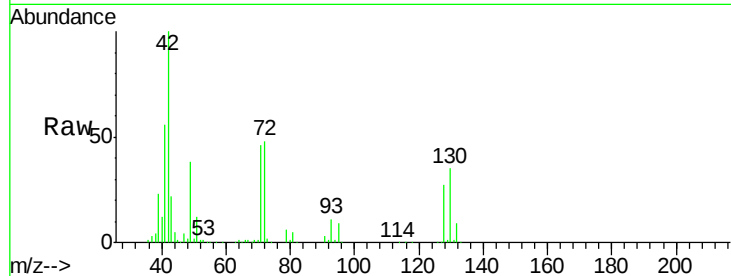
#29
Tetrahydrofuran
Concen: 250.604 ug/l
RT: 6.60 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.1	55.7
71	45.5	34.8	52.2

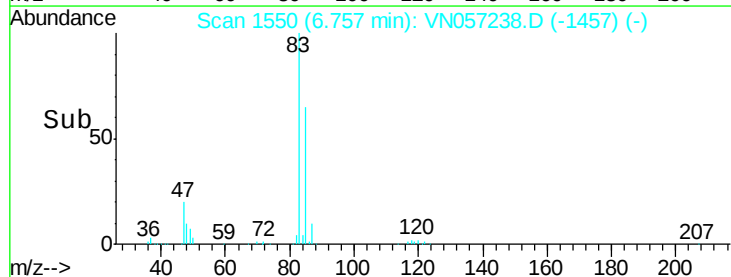
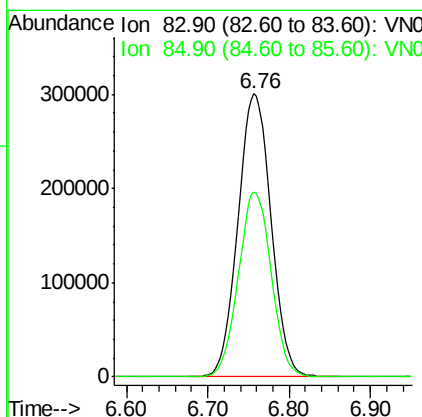
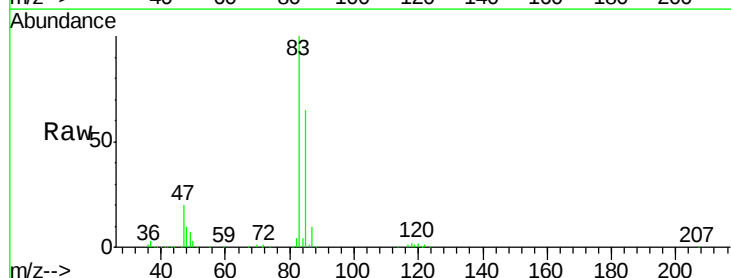
Manual Integrations
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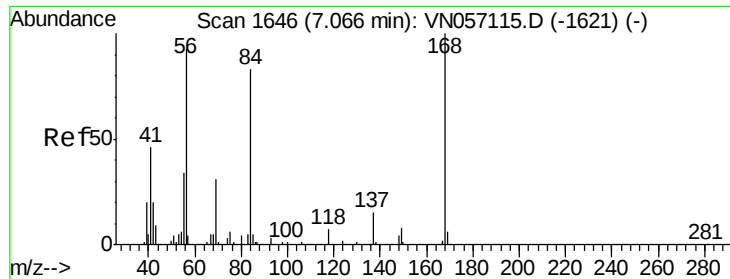
MMDadoda
8/14/2019 9:23:07 AM



#30
Chloroform
Concen: 47.780 ug/l
RT: 6.76 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





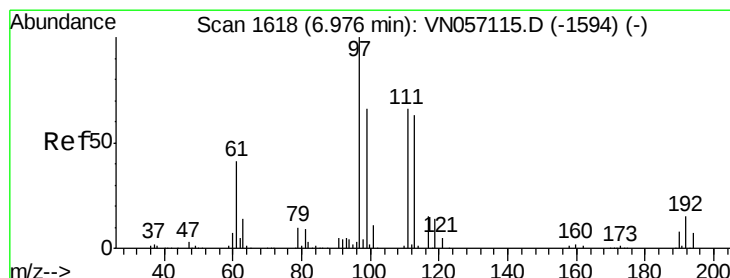
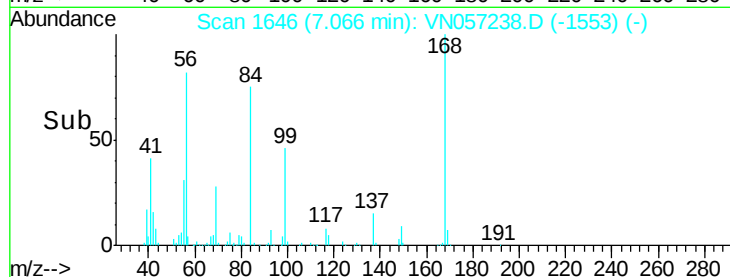
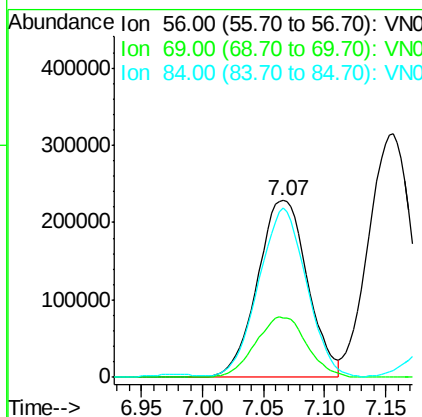
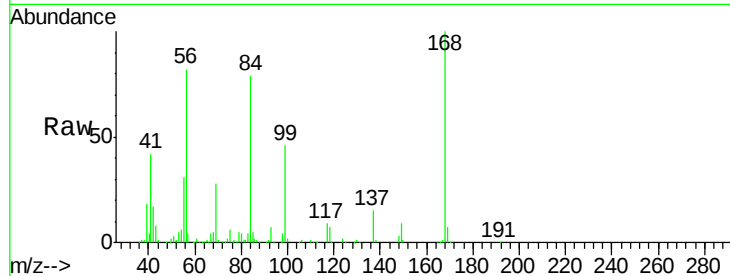
#31
Cyclohexane
Concen: 42.556 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	26.9	40.3
84	94.3	71.9	107.9

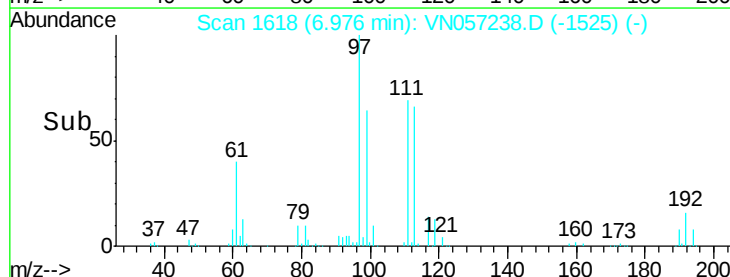
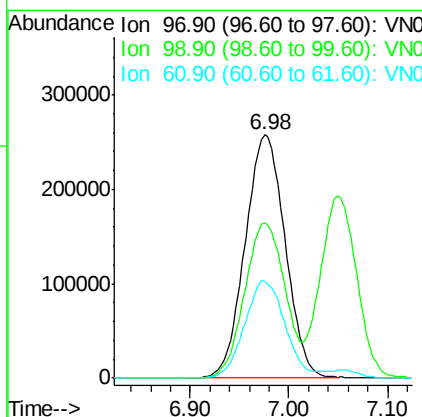
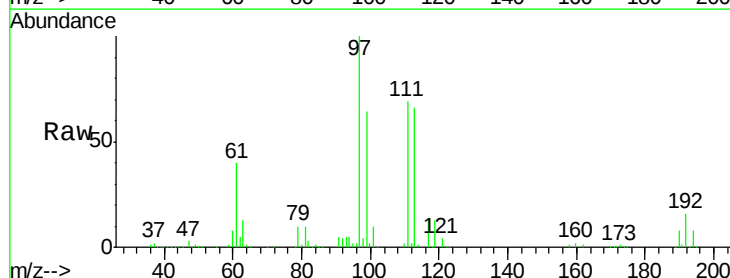
Manual Integrations
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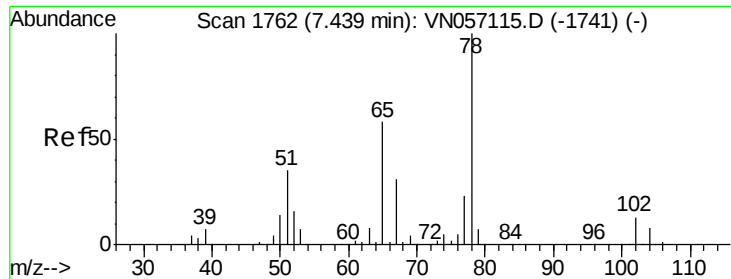
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.885 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	40.5	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 52.680 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 557424

Ion Ratio Lower Upper

65 100

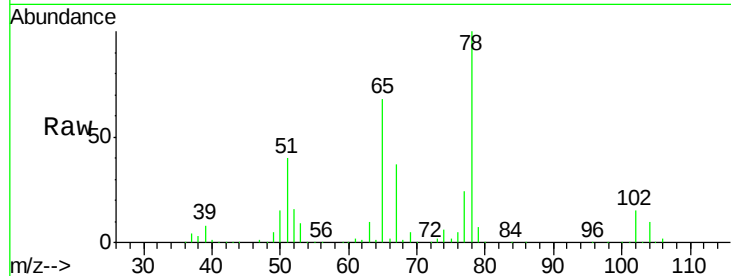
67 54.2 0.0 108.2

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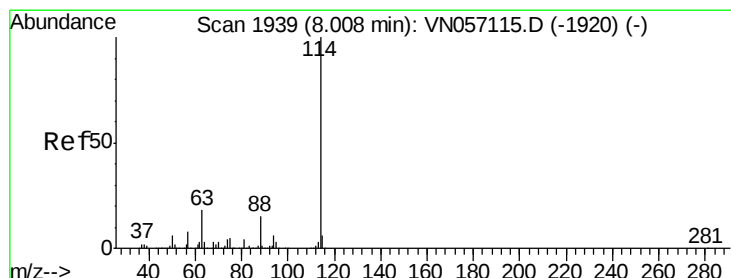
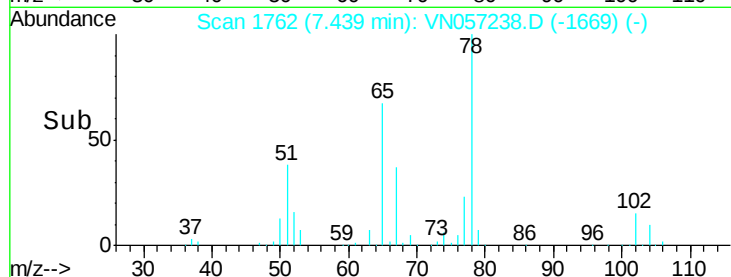
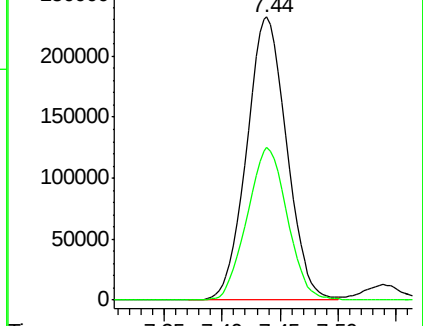
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

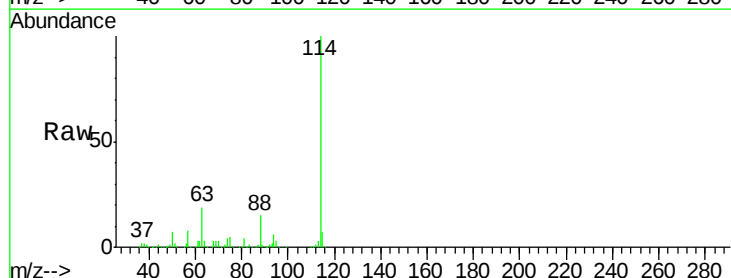
Tgt Ion: 114 Resp: 1540195

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

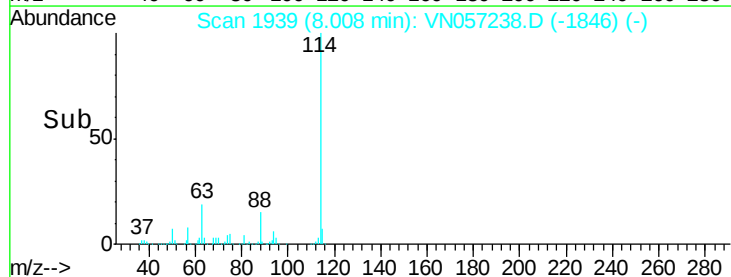
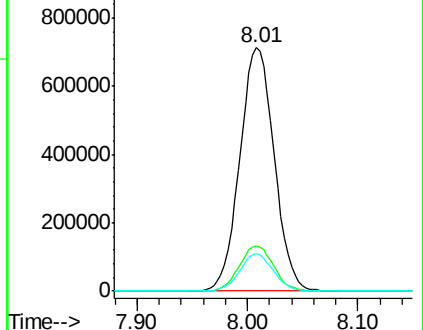
88 15.3 0.0 30.0

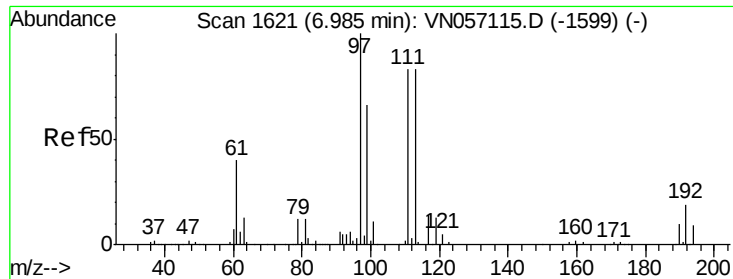


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





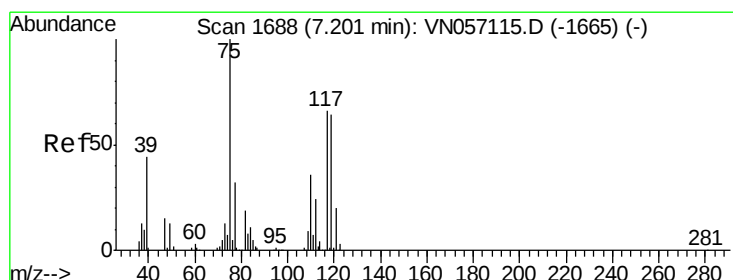
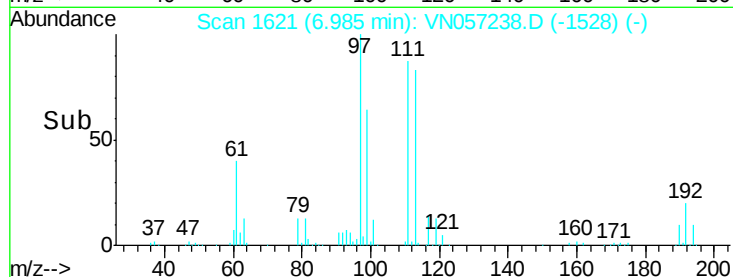
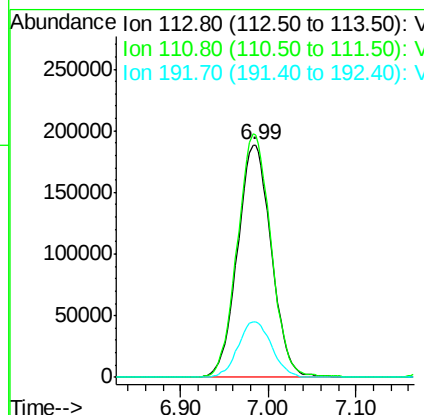
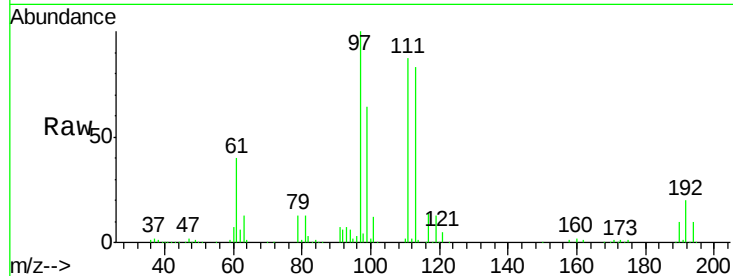
#35
 Dibromofluoromethane
 Concen: 52.301 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	505484		
111	104.2	81.3	121.9	
192	23.7	19.0	28.4	

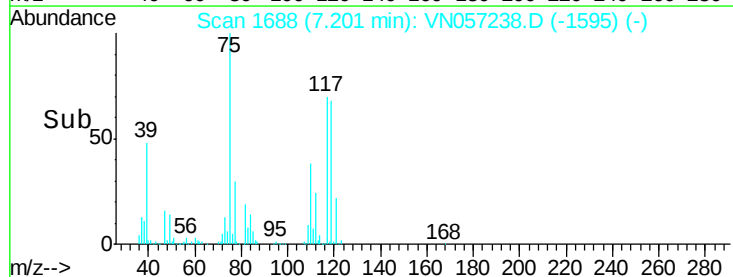
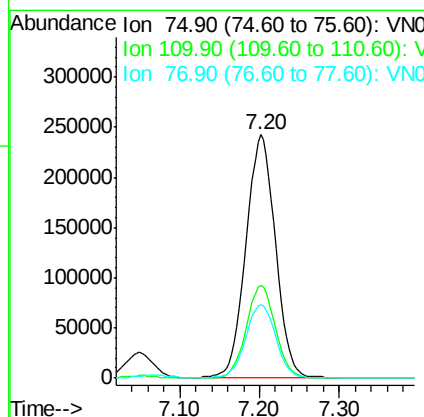
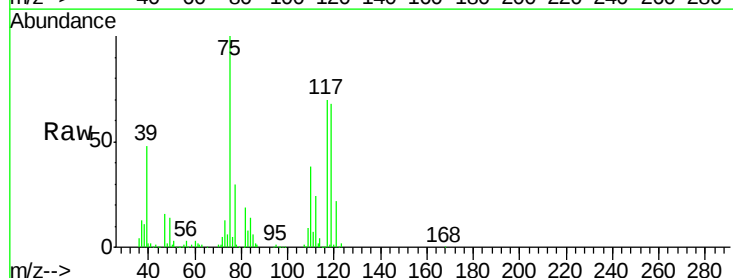
Manual Integrations
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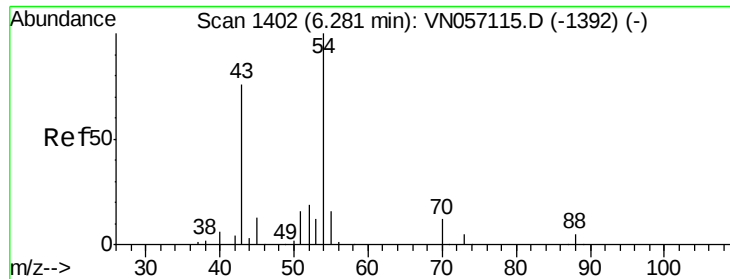
MMDadoda
 8/14/2019 9:23:07 AM



#36
 1,1-Dichloropropene
 Concen: 47.590 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	603502		
110	37.6	18.7	56.1	
77	31.1	25.0	37.4	





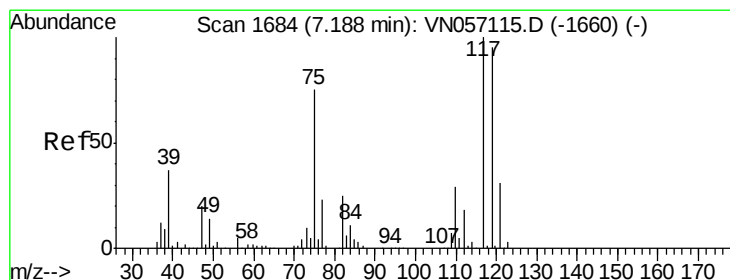
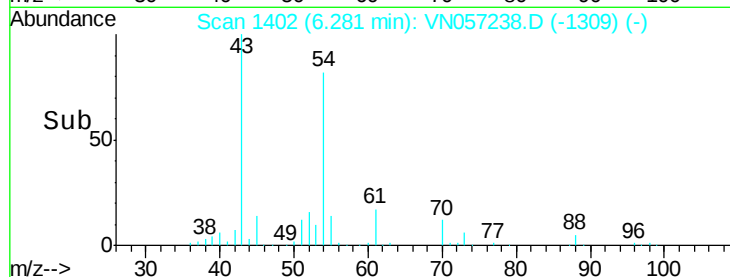
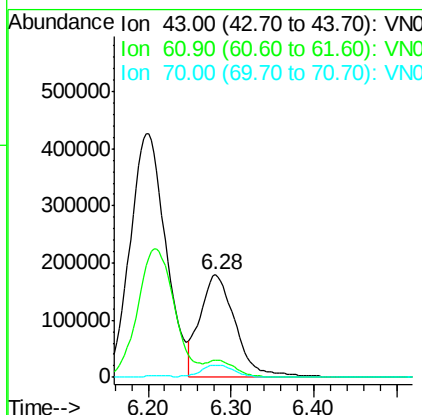
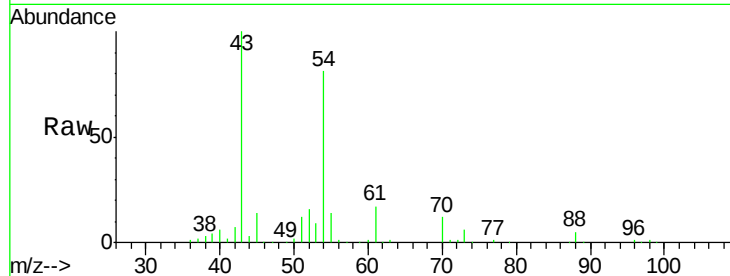
#37
Ethyl Acetate
Concen: 50.639 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	0.0	0.0
70	12.0	9.1	13.7

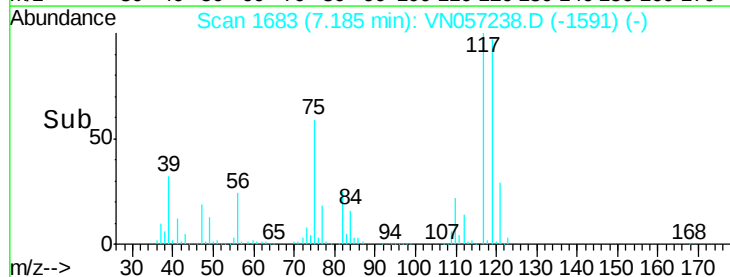
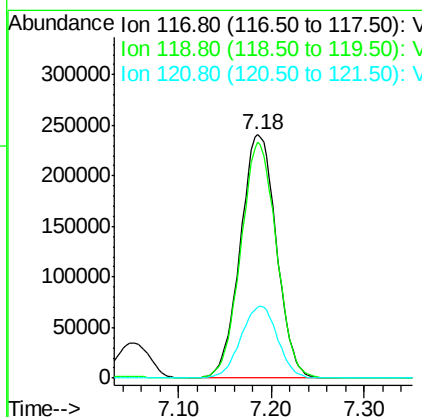
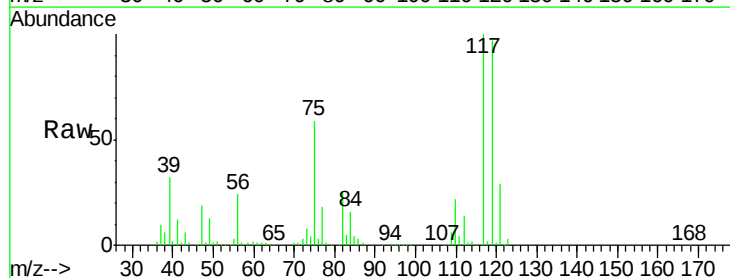
Manual Integrations
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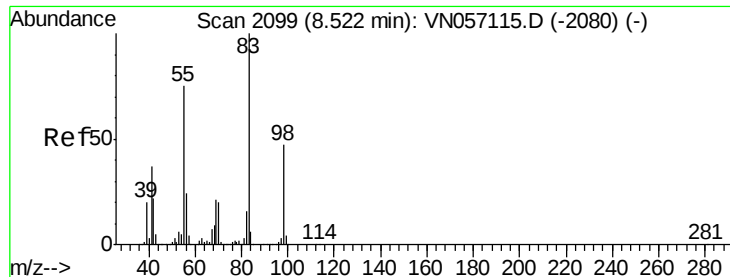
MMDadoda
8/14/2019 9:23:07 AM



#38
Carbon Tetrachloride
Concen: 49.118 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.8	113.6
121	29.4	24.4	36.6





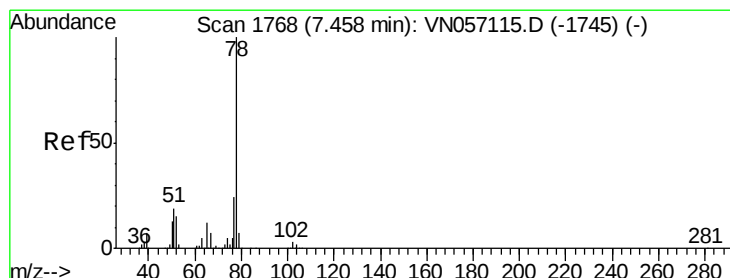
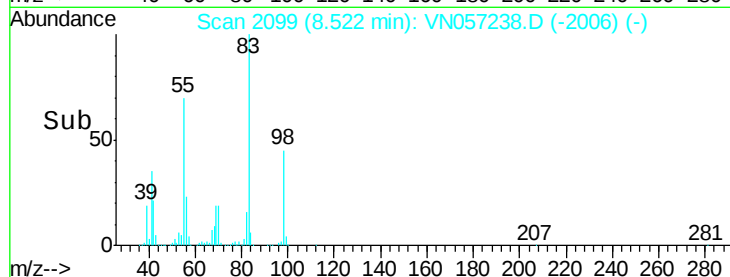
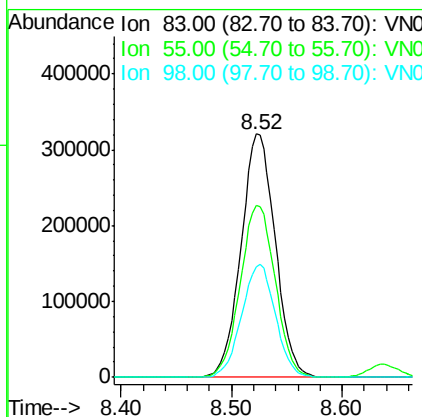
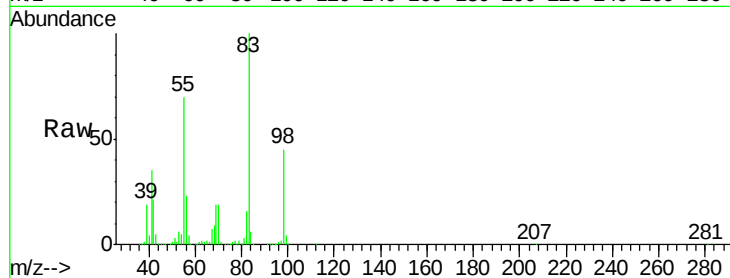
#39
Methylvlcyclohexane
Concen: 44.678 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.4	60.3	90.5
98	45.3	37.9	56.9

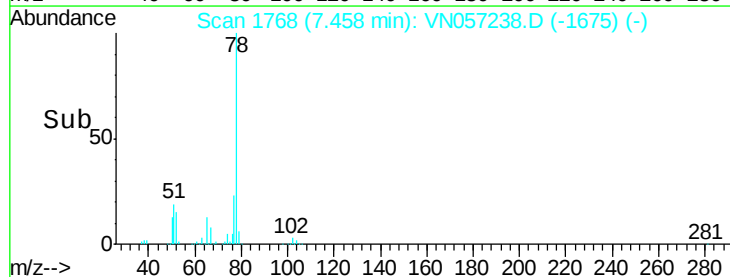
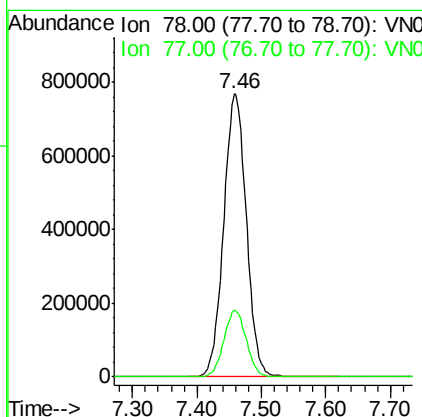
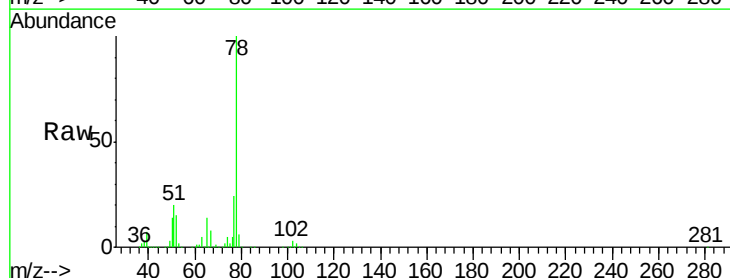
Manual Integrations
APPROVED

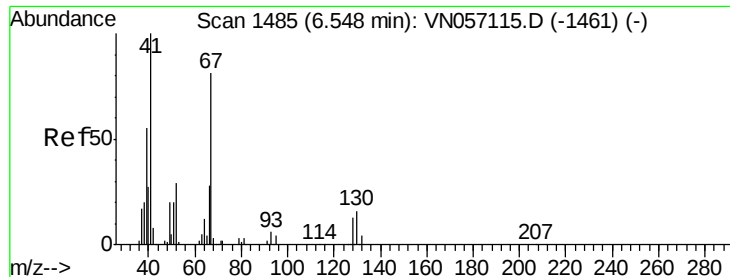
MMDadoda
8/14/2019 9:23:07 AM



#40
Benzene
Concen: 46.738 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





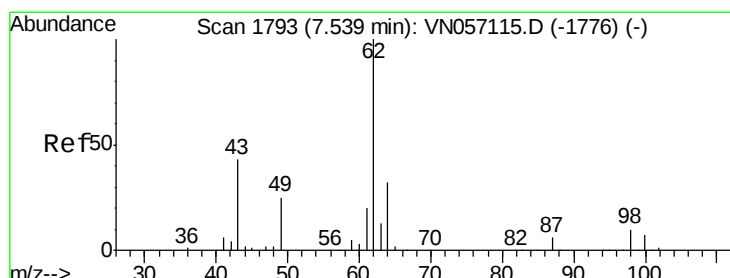
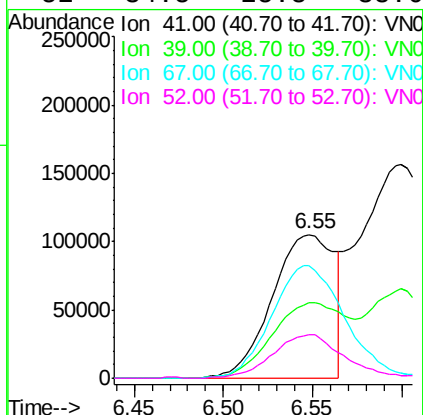
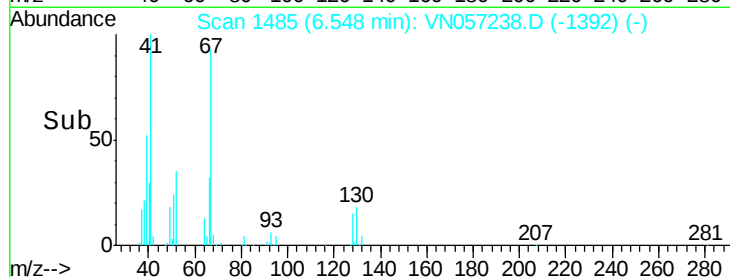
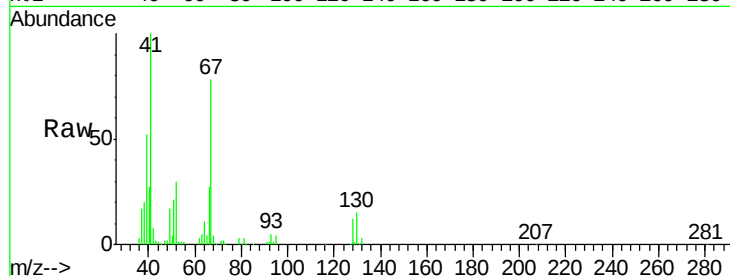
#41
Methacrylonitrile
Concen: 48.003 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		254897		
39	63.4	44.9	67.3		
67	92.4	69.1	103.7		
52	34.5	25.8	38.6		

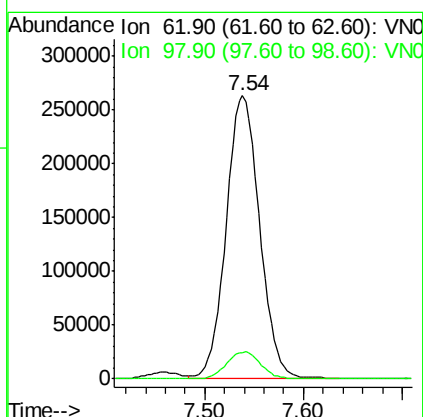
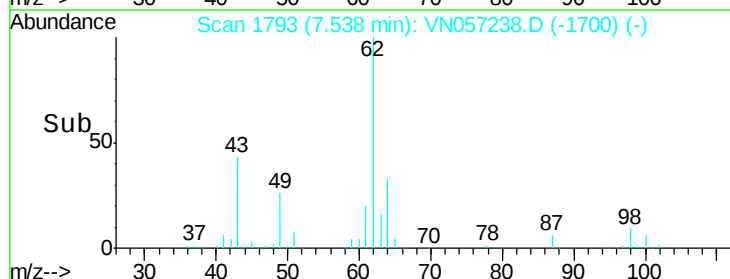
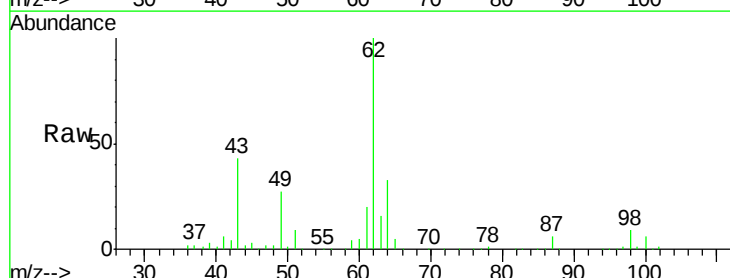
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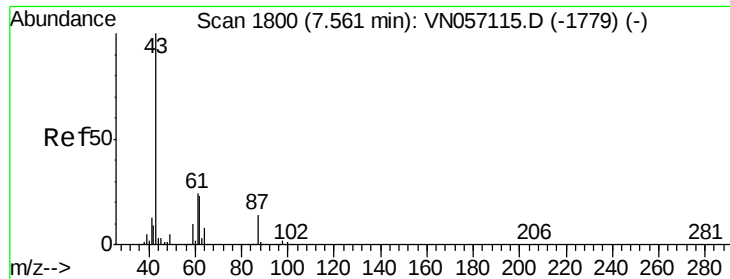
MMDadoda
8/14/2019 9:23:07 AM



#42
1,2-Dichloroethane
Concen: 48.357 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		619134		
98	9.8	0.0	19.4		





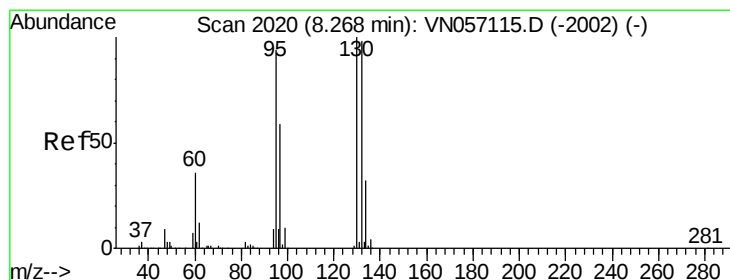
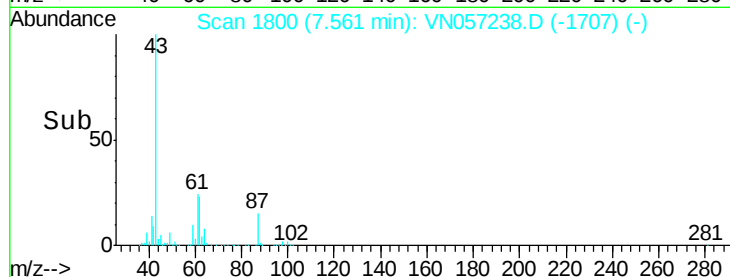
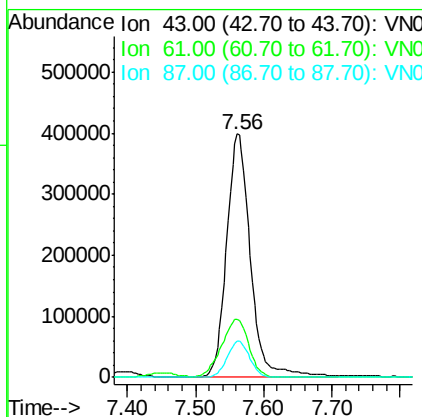
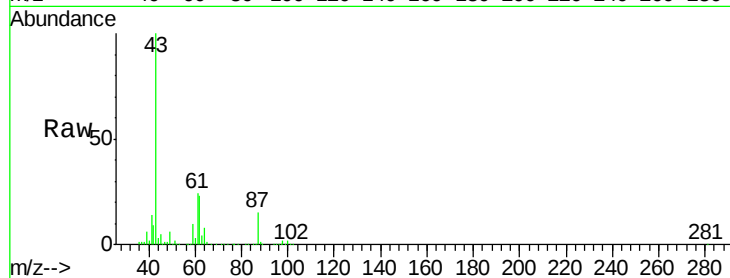
#43
Isopropyl Acetate
Concen: 54.004 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	24.2	36.2
87	14.1	11.8	17.8

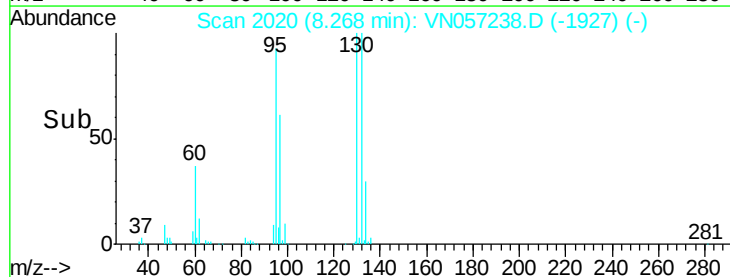
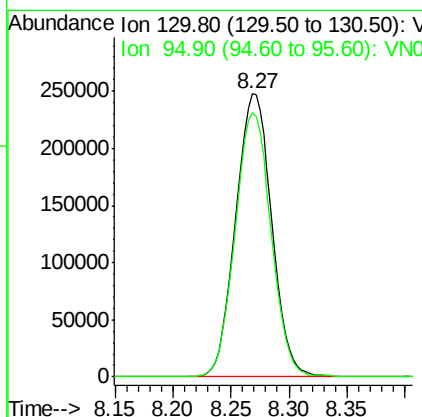
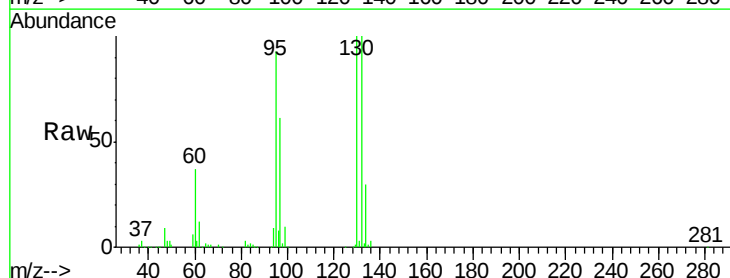
Manual Integrations
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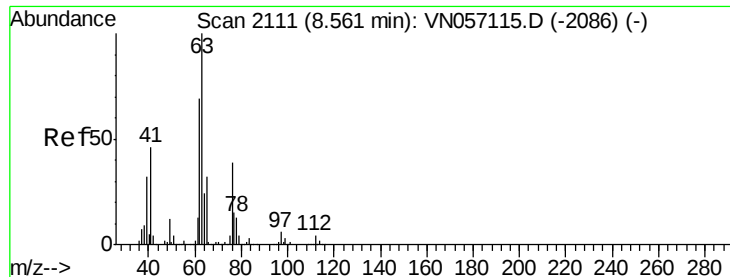
MMDadoda
8/14/2019 9:23:07 AM



#44
Trichloroethene
Concen: 47.496 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	187.4





#45

1,2-Dichloropropane

Concen: 47.082 ug/l

RT: 8.56 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 489401

Ion Ratio Lower Upper

63 100

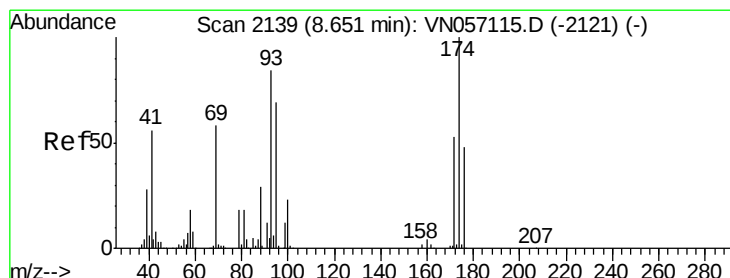
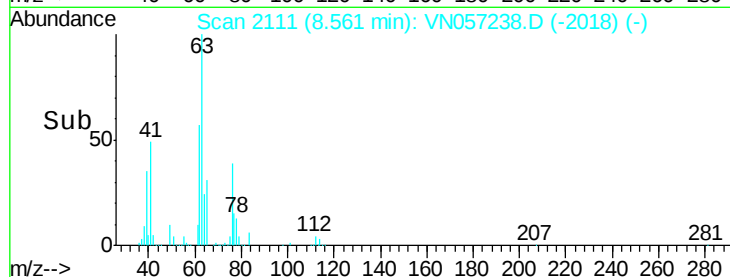
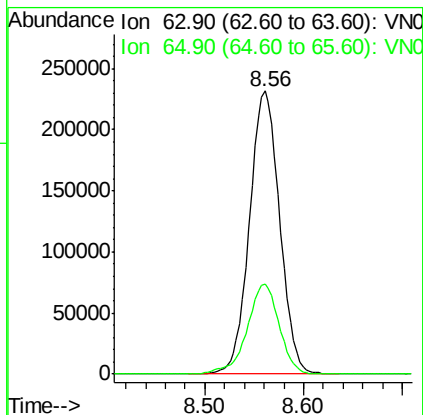
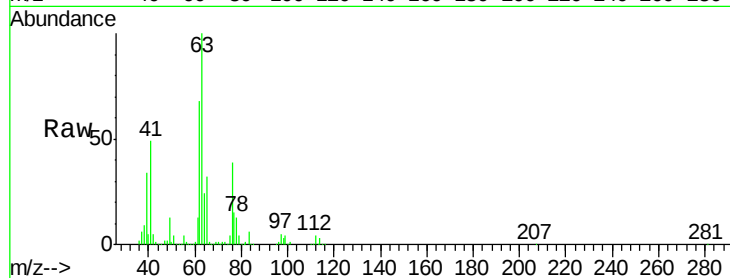
65 31.8 25.2 37.8

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#46

Dibromomethane

Concen: 49.196 ug/l

RT: 8.65 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

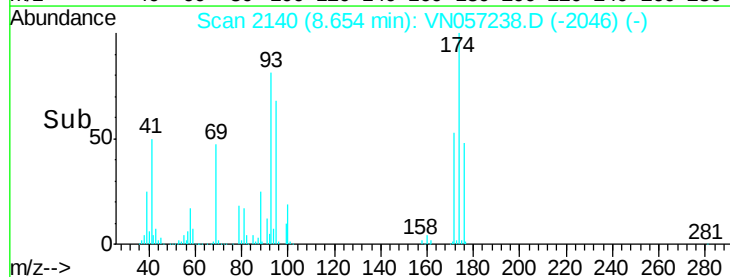
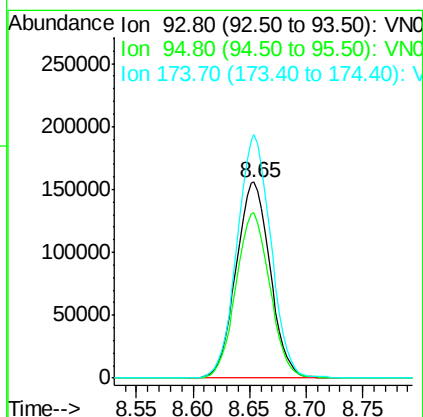
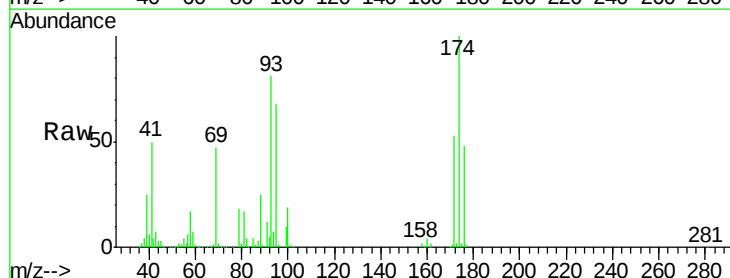
Tgt Ion: 93 Resp: 327888

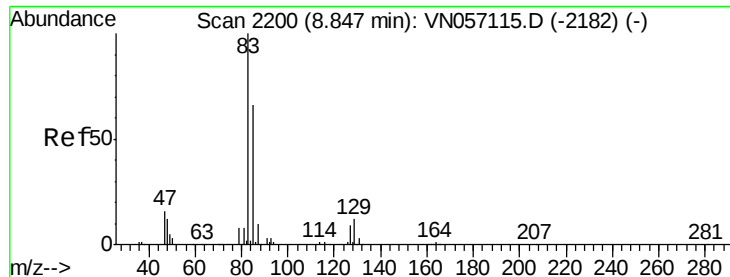
Ion Ratio Lower Upper

93 100

95 83.9 66.0 99.0

174 122.7 96.0 144.0





#47

Bromodichloromethane

Concen: 50.520 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

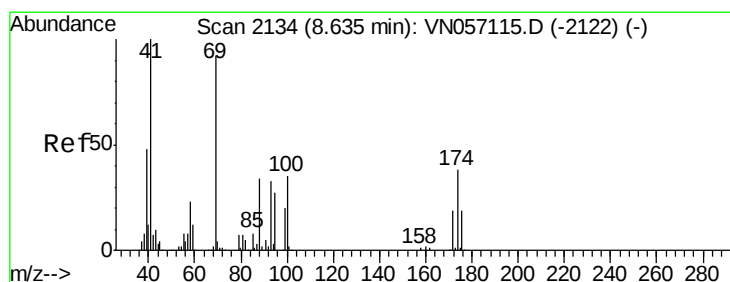
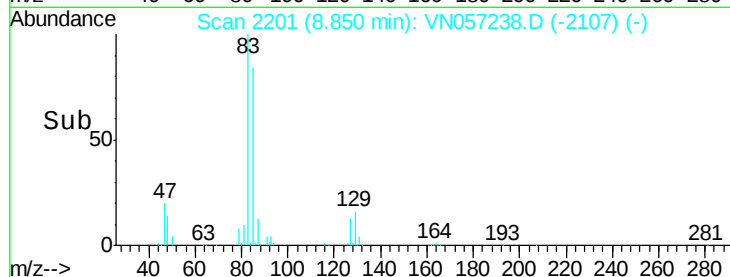
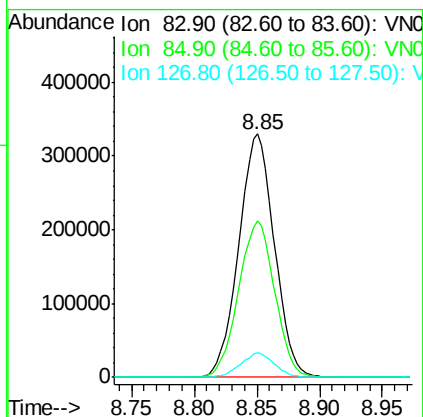
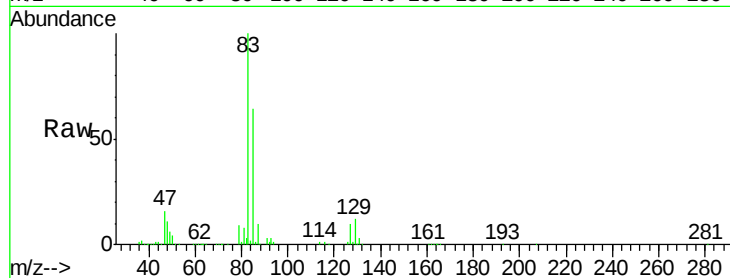
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	651508
Ion Ratio	Lower	Upper	
83	100		
85	64.2	52.6	78.8
127	10.0	7.5	11.3

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#48

Methyl methacrylate

Concen: 49.281 ug/l

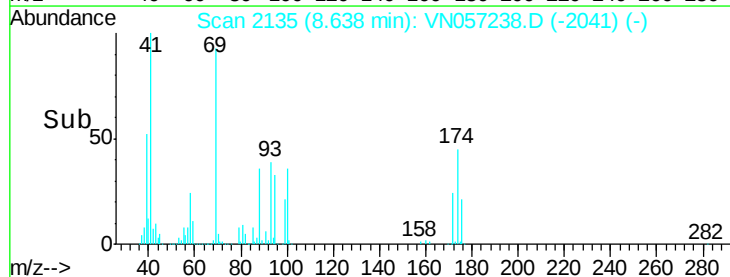
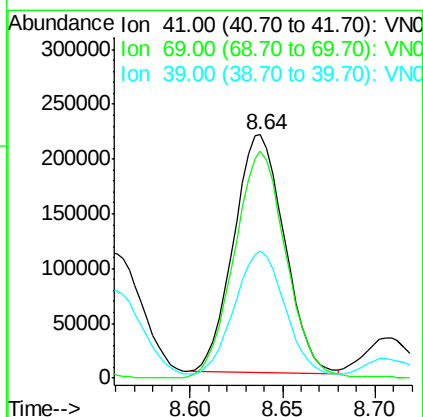
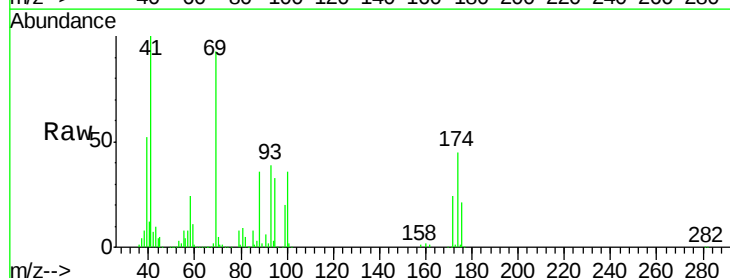
RT: 8.64 min Scan# 2135

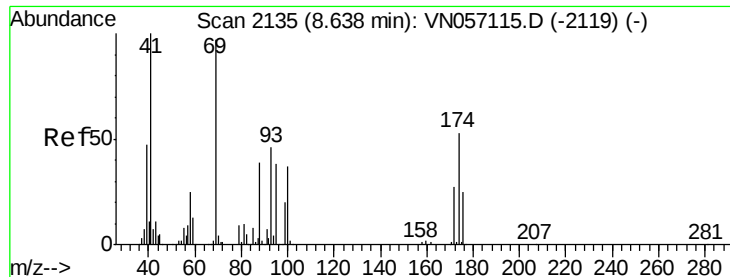
Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	41	Resp:	414555
Ion Ratio	Lower	Upper	
41	100		
69	97.1	77.5	116.3
39	51.3	39.8	59.6





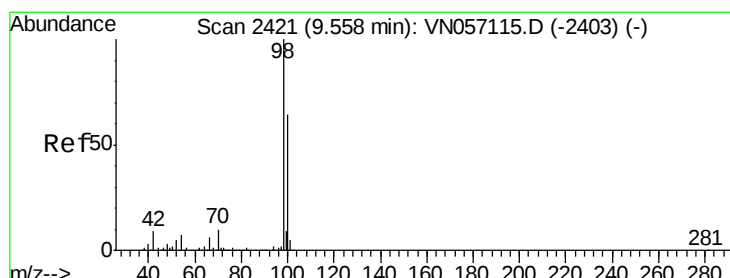
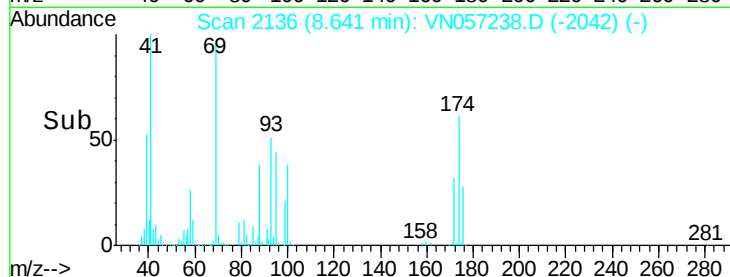
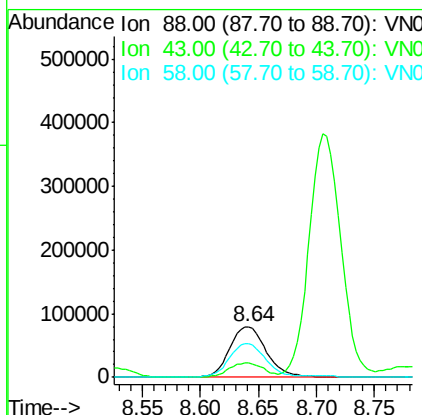
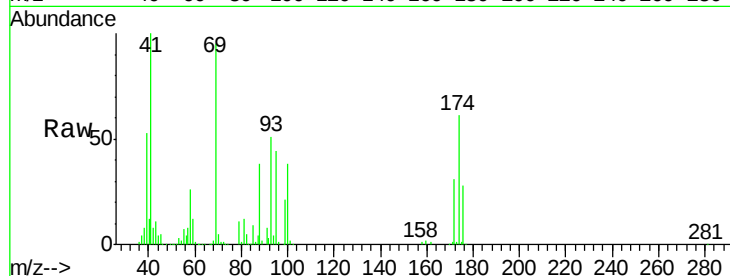
#49
1,4-Dioxane
Concen: 1028.985 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	21.7	32.5
58	66.9	51.1	76.7

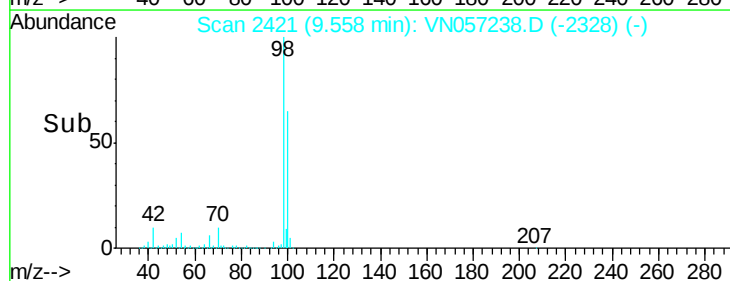
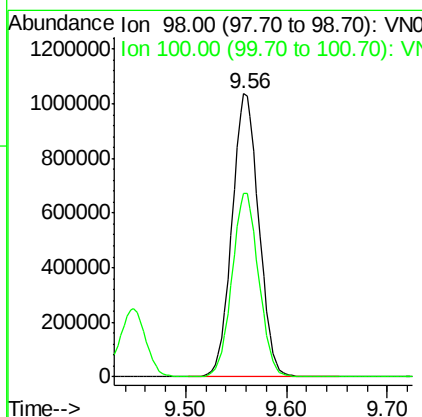
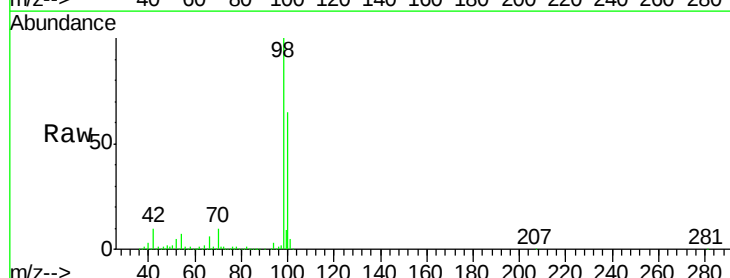
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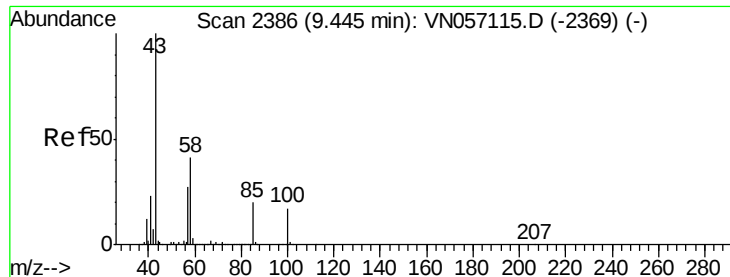
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#50
Toluene-d8
Concen: 51.800 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





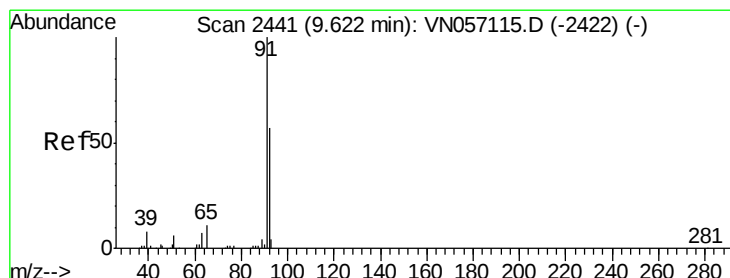
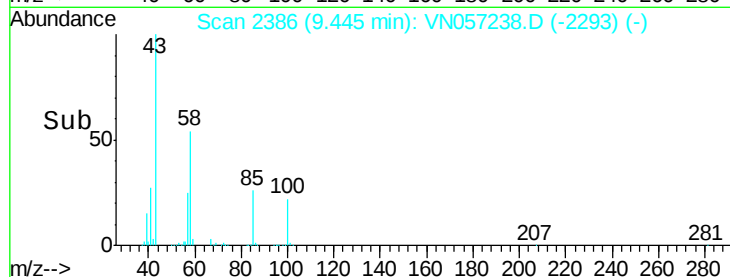
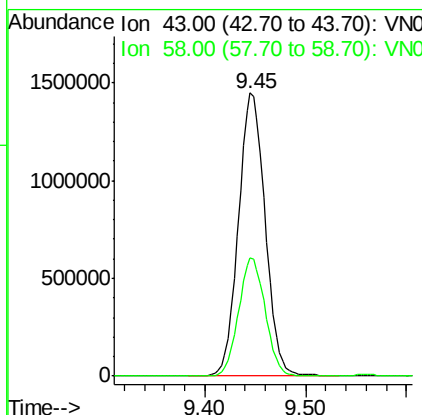
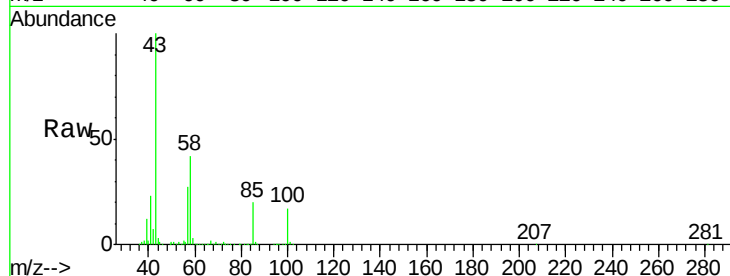
#51
4-Methyl-2-Pentanone
Concen: 255.409 ug/l
RT: 9.45 min Scan# 2386
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2651769
Ion Ratio Lower Upper
43 100
58 41.7 33.2 49.8

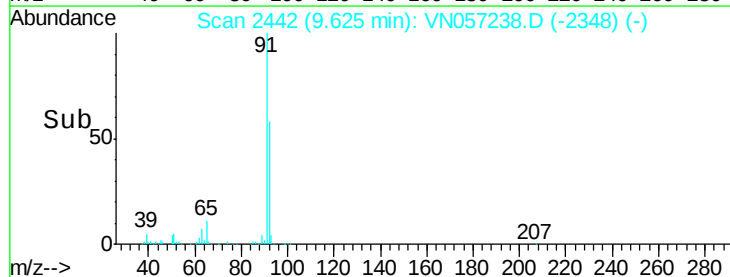
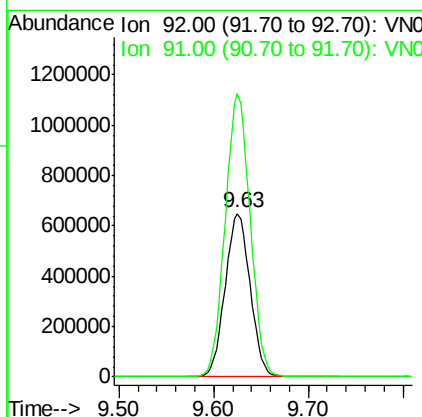
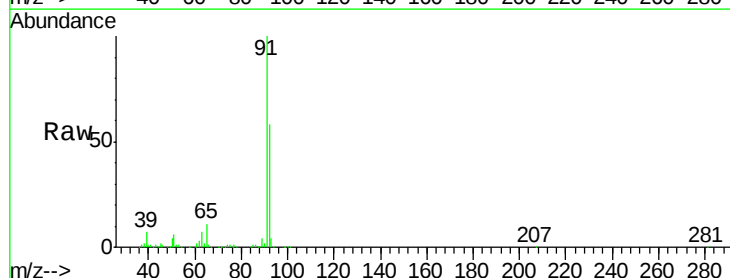
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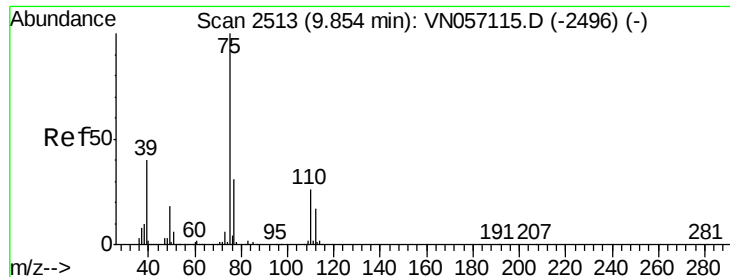
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#52
Toluene
Concen: 47.803 ug/l
RT: 9.63 min Scan# 2442
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 92 Resp: 1191210
Ion Ratio Lower Upper
92 100
91 173.5 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 49.579 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 667957

Ion Ratio Lower Upper

75 100

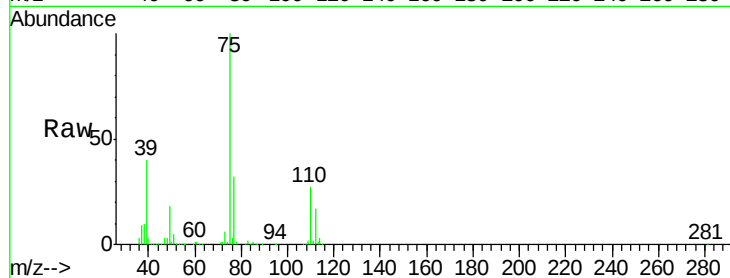
77 32.5 24.8 37.2

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

9.86

400000

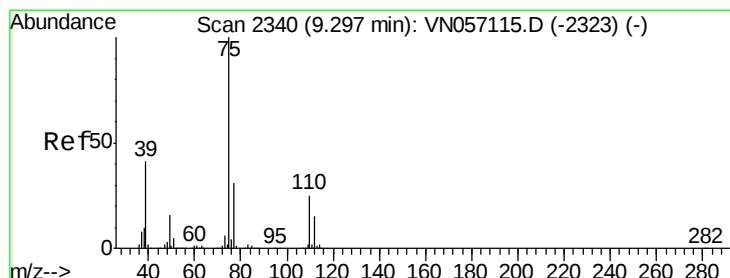
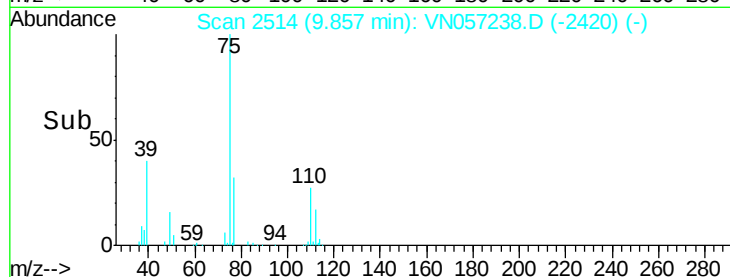
300000

200000

100000

0

Time--> 9.75 9.80 9.85 9.90 9.95



#54

cis-1,3-Dichloropropene

Concen: 47.650 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

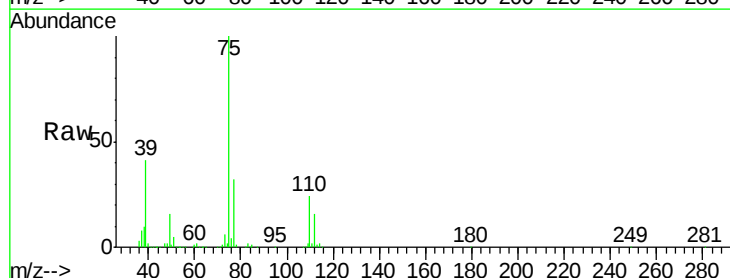
Tgt Ion: 75 Resp: 736630

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 41.2 32.5 48.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.30

500000

400000

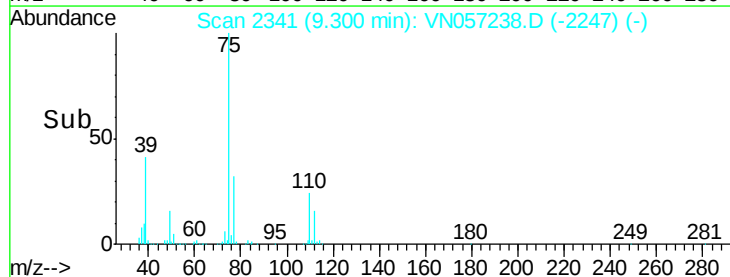
300000

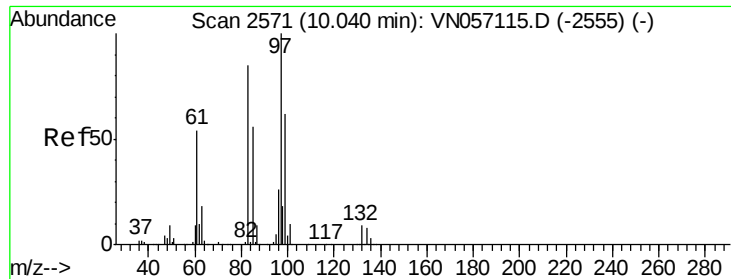
200000

100000

0

Time--> 9.20 9.30 9.40





#55

1,1,2-Trichloroethane

Concen: 48.618 ug/l

RT: 10.04 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

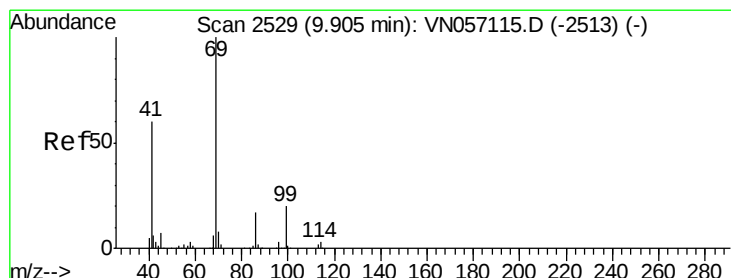
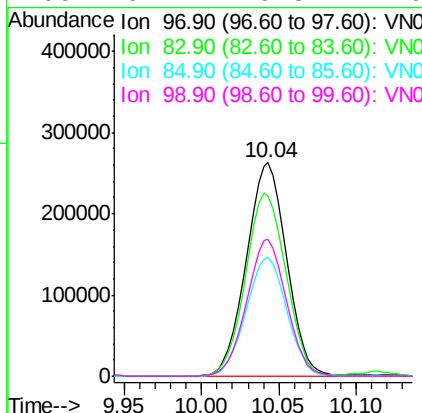
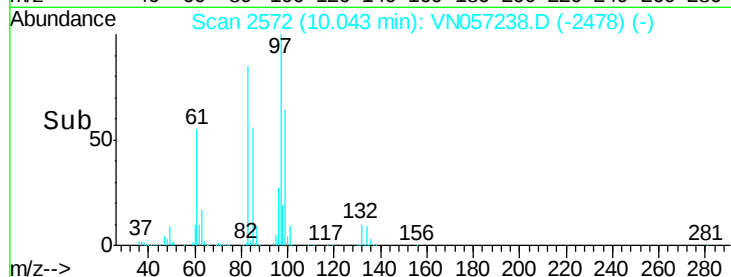
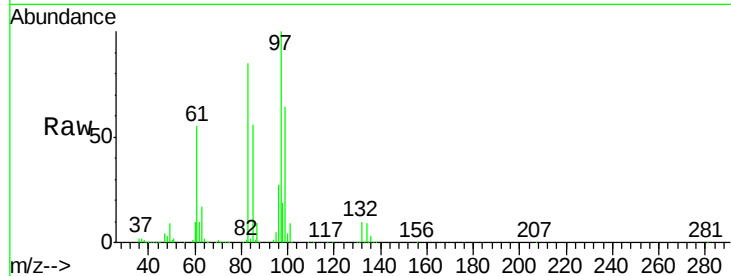
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	476419
Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.8
85	55.5	44.4	66.6
99	64.1	49.8	74.6

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#56

Ethyl methacrylate

Concen: 51.052 ug/l

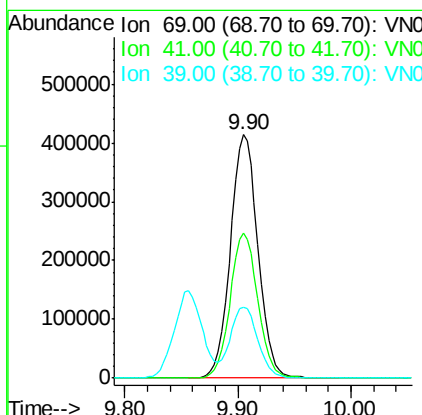
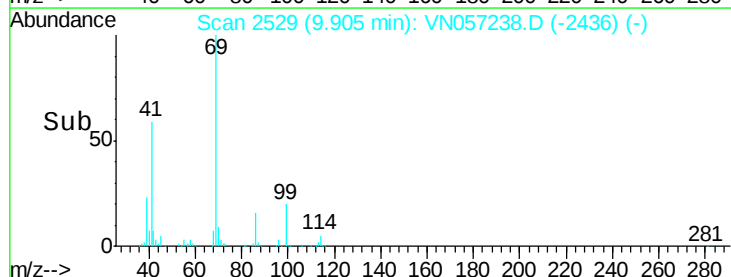
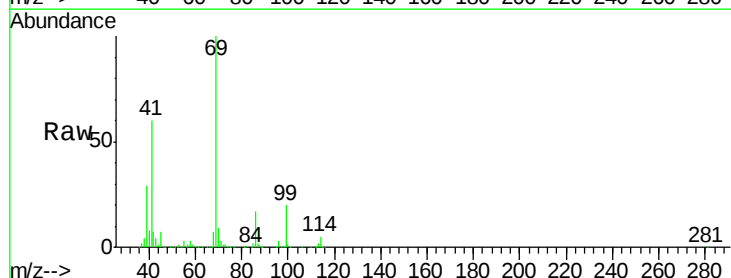
RT: 9.90 min Scan# 2529

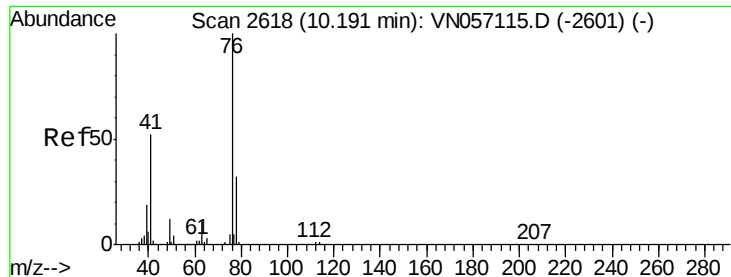
Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	69	Resp:	700458
Ion	Ratio	Lower	Upper
69	100		
41	59.4	48.1	72.1
39	29.4	23.6	35.4





#57

1,3-Dichloropropane

Concen: 48.581 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 785053

Ion Ratio Lower Upper

76 100

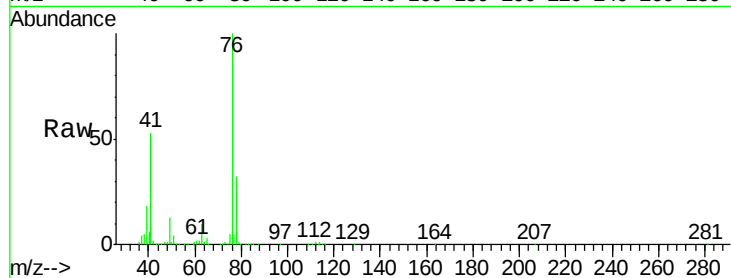
78 32.5 25.9 38.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.19

400000

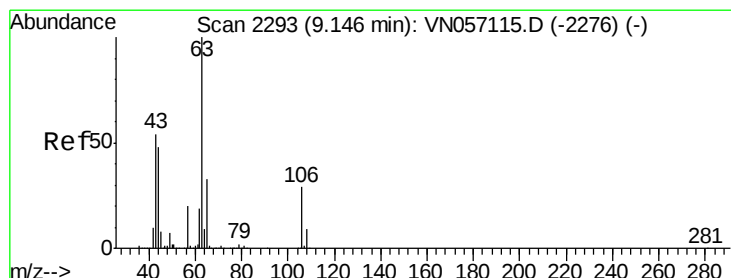
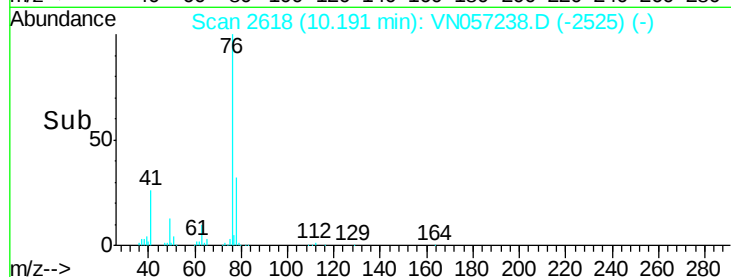
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 187.960 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VN057238.D

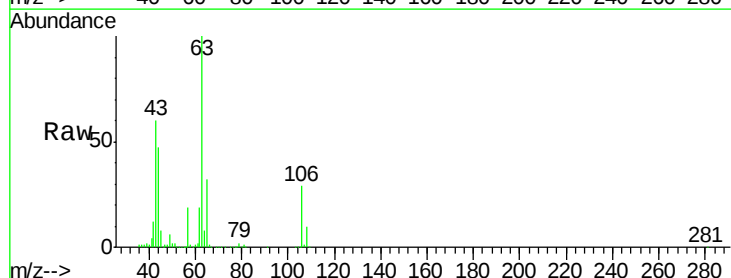
Acq: 13 Aug 2019 00:32

Tgt Ion: 63 Resp: 1009521

Ion Ratio Lower Upper

63 100

106 29.3 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.15

600000

500000

400000

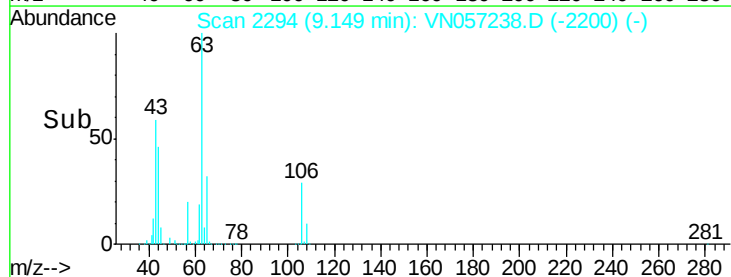
300000

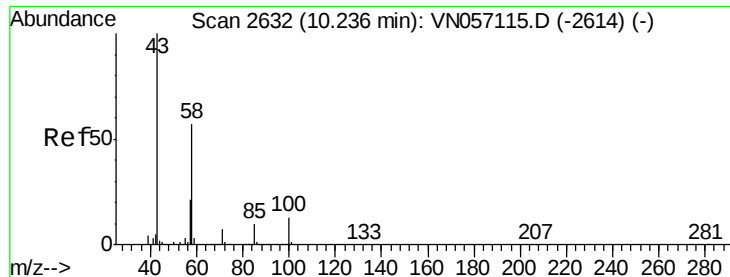
200000

100000

0

Time-->





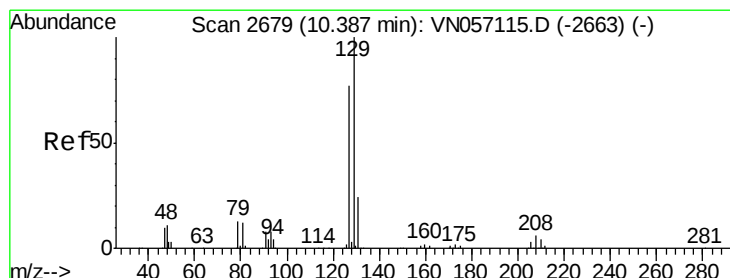
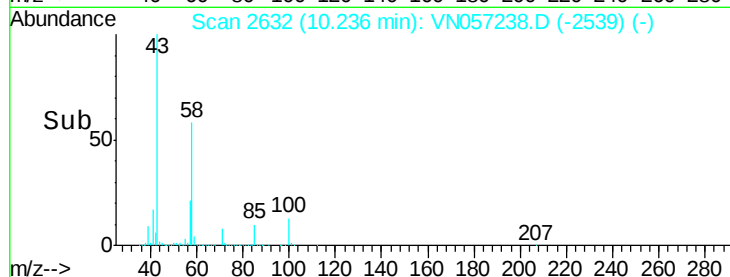
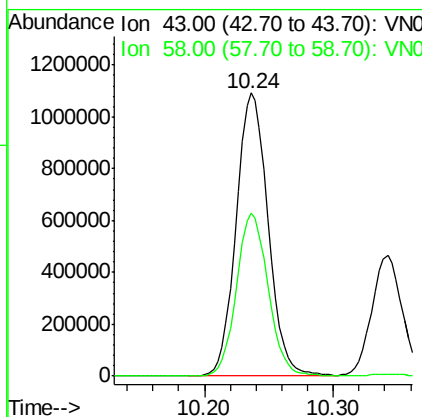
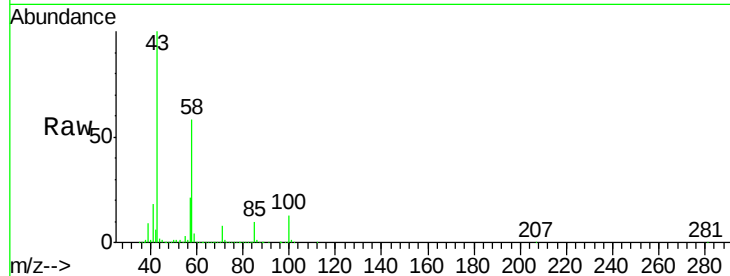
#59
2-Hexanone
Concen: 267.083 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1876721
Ion Ratio Lower Upper
43 100
58 57.3 29.2 87.6

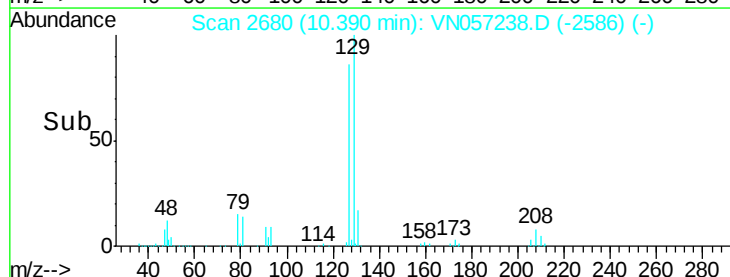
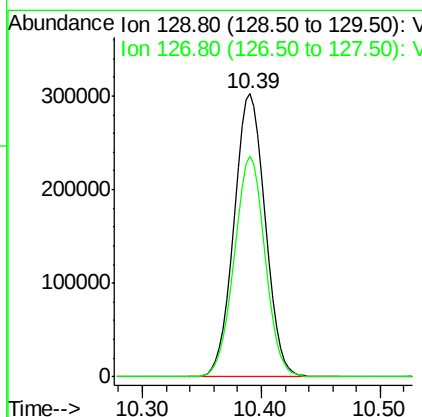
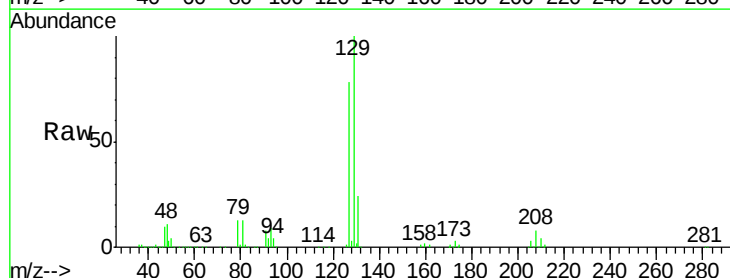
Manual Integrations
APPROVED

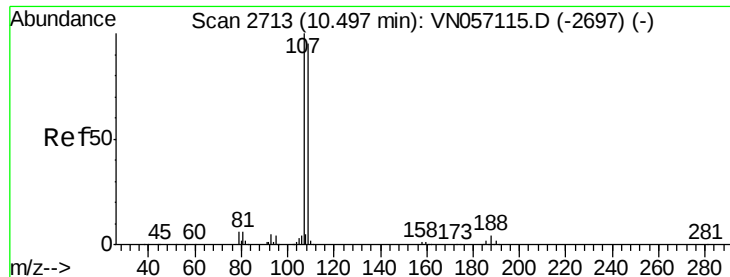
MMDadoda
8/14/2019 9:23:07 AM



#60
Dibromochloromethane
Concen: 53.250 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 129 Resp: 548025
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





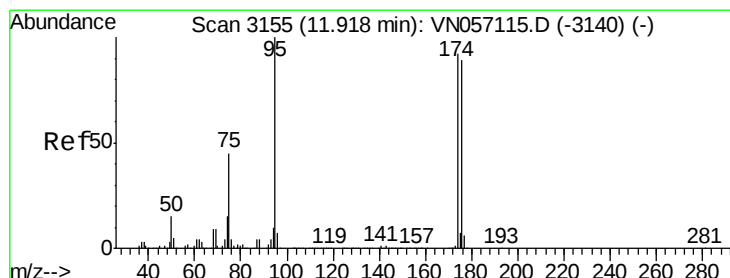
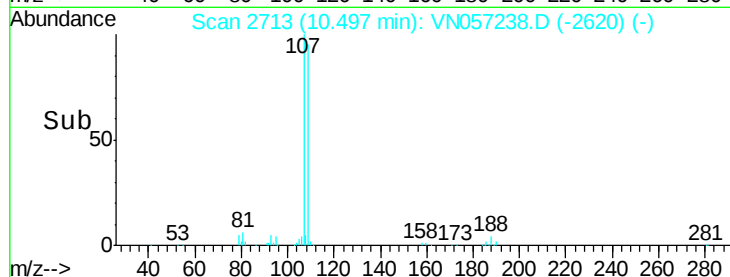
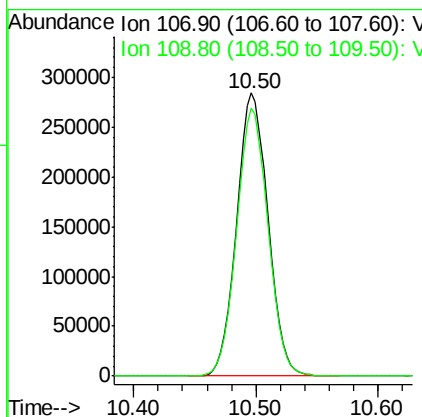
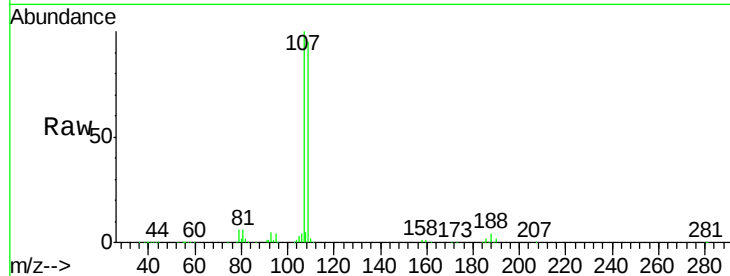
#61
 1,2-Dibromoethane
 Concen: 49.872 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.6	113.4

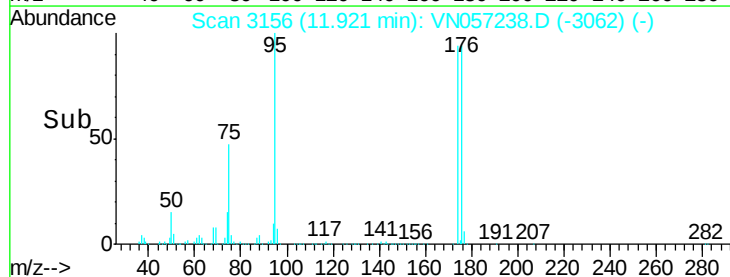
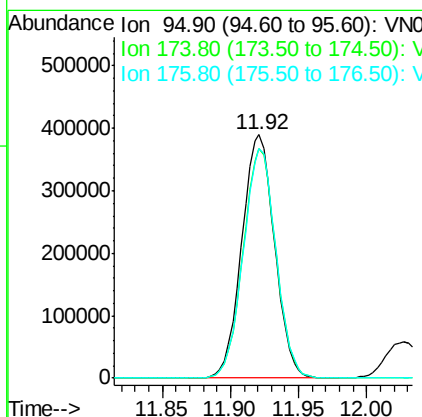
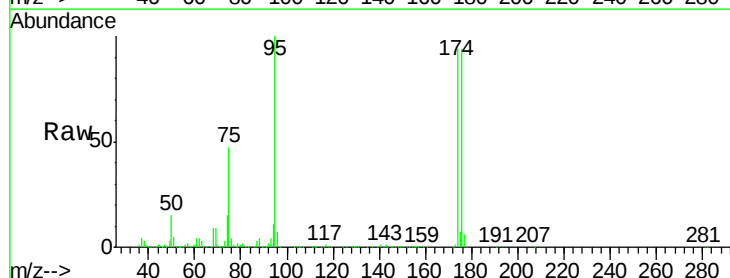
Manual Integrations
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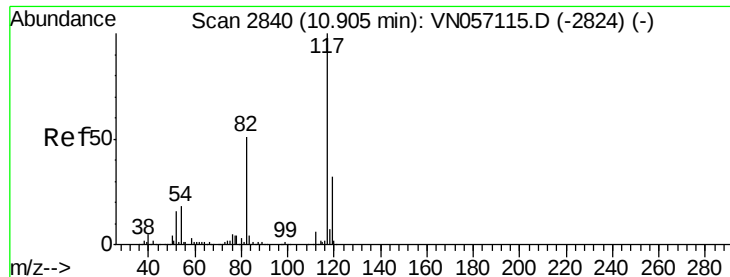
MMDadoda
 8/14/2019 9:23:07 AM



#62
 4-Bromofluorobenzene
 Concen: 54.523 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	185.0
176	94.2	0.0	181.2





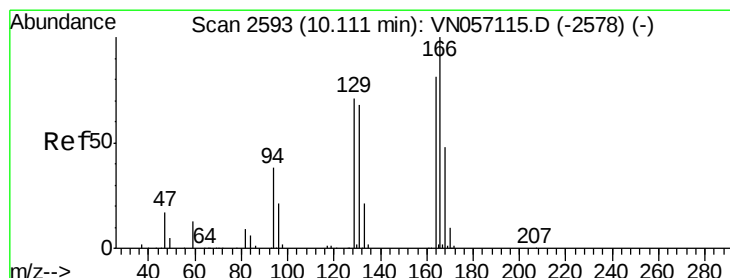
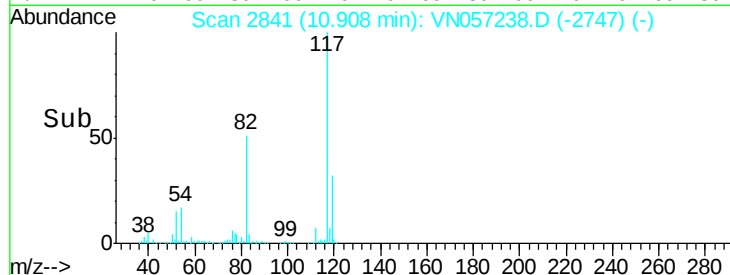
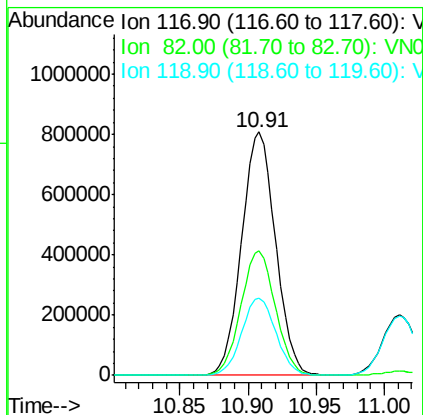
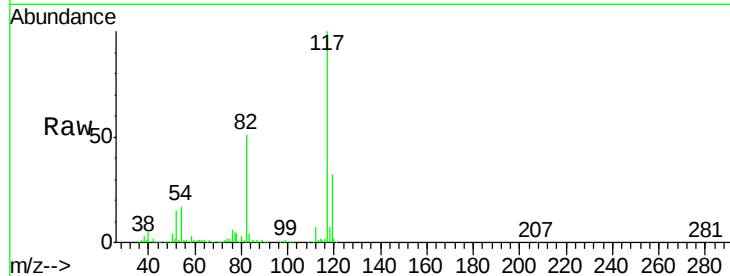
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1394607
Ion Ratio Lower Upper
117 100
82 51.1 40.8 61.2
119 31.7 25.7 38.5

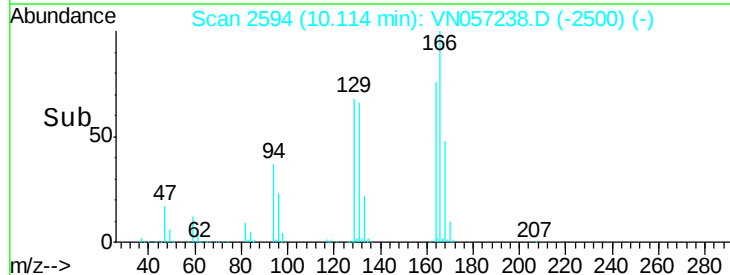
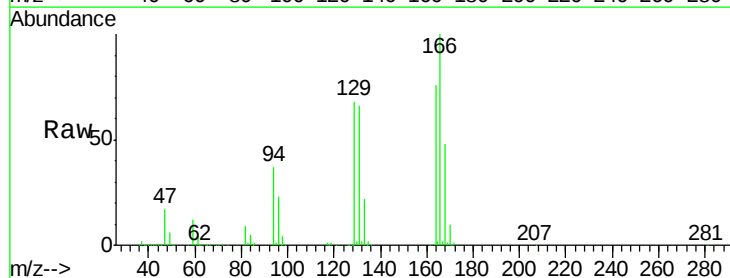
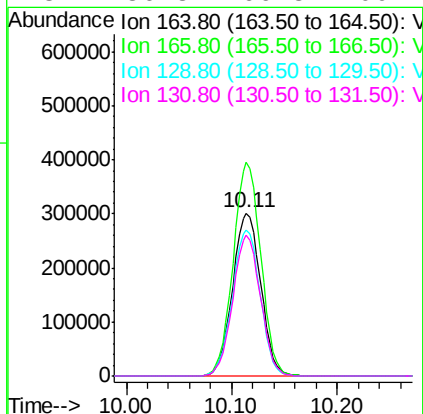
Manual Integrations
APPROVED

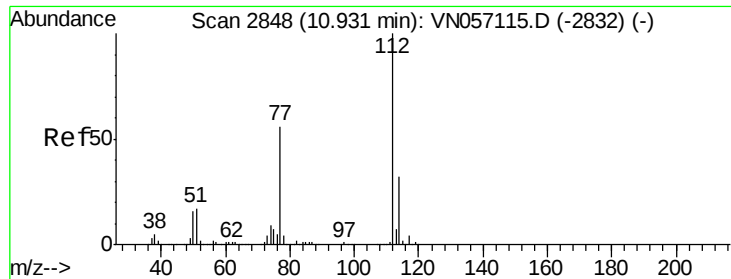
MMDadoda
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#64
Tetrachloroethene
Concen: 47.951 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion:164 Resp: 556142
Ion Ratio Lower Upper
164 100
166 130.9 98.3 147.5
129 89.4 69.8 104.6
131 86.3 66.8 100.2





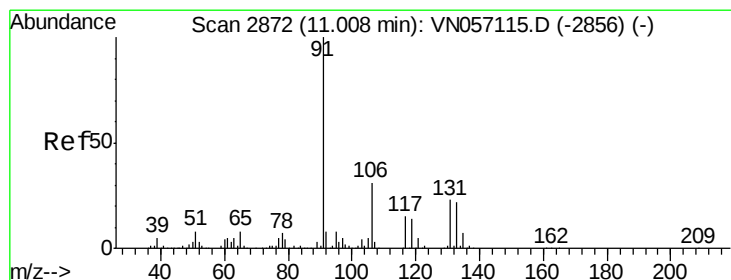
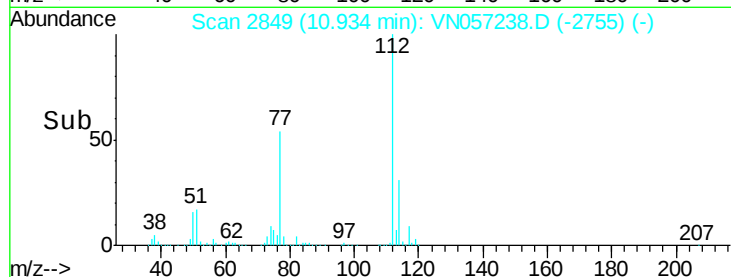
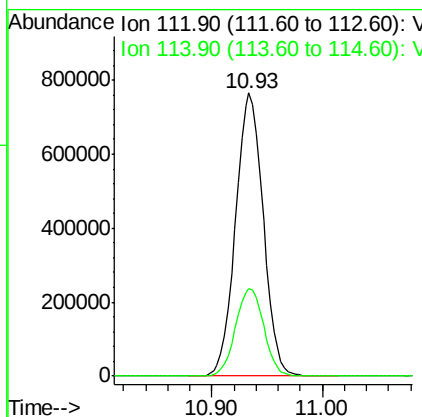
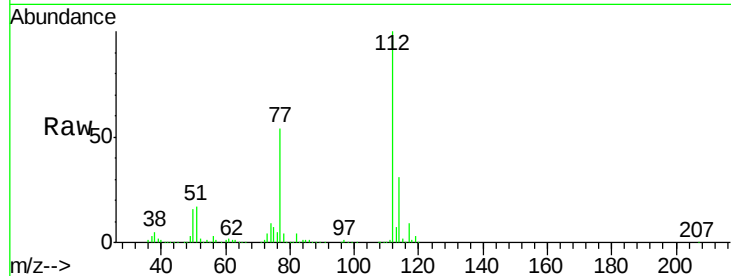
#65
Chlorobenzene
Concen: 47.276 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1326600
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2

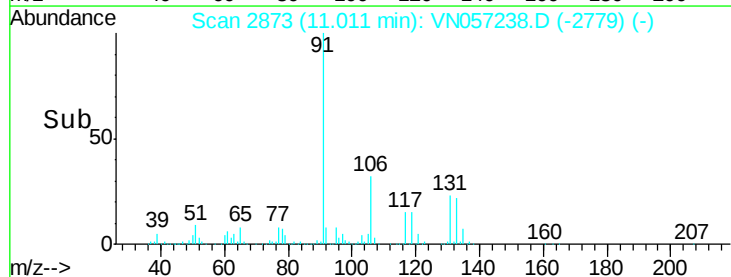
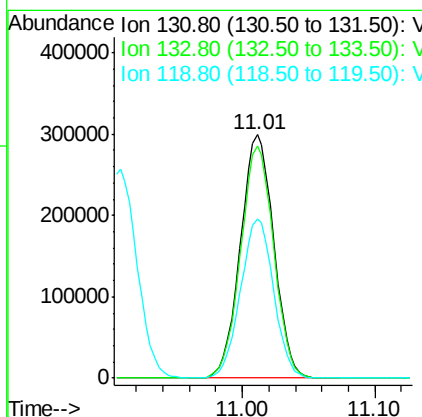
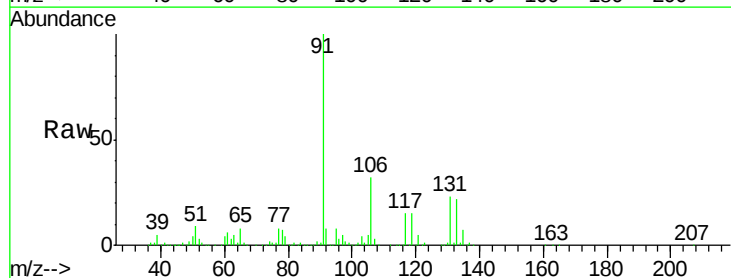
Manual Integrations
APPROVED

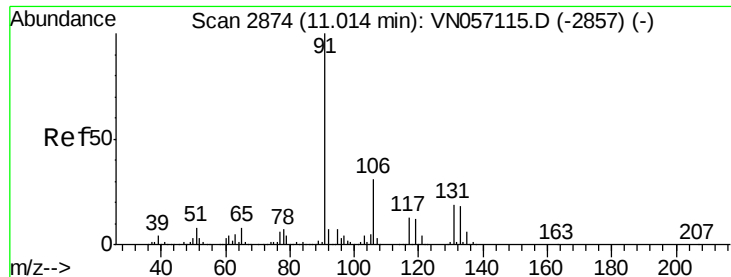
MMDadoda
8/14/2019 9:23:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.754 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion:131 Resp: 521959
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.8
119 64.9 32.6 97.7





#67

Ethyl Benzene

Concen: 47.422 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2290213

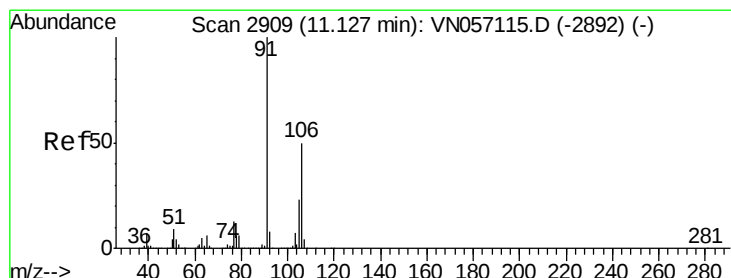
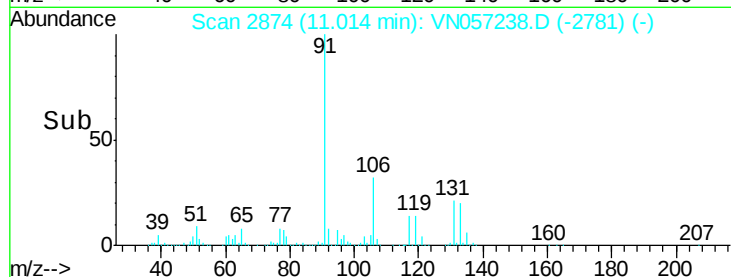
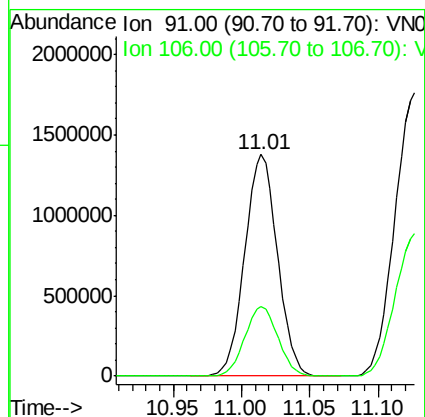
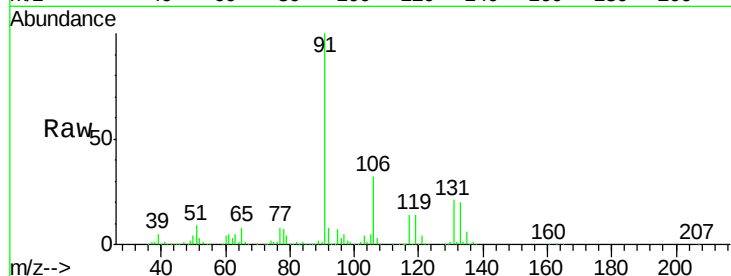
Ion Ratio Lower Upper

91 100

106 31.6 25.0 37.4

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 97.170 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057238.D

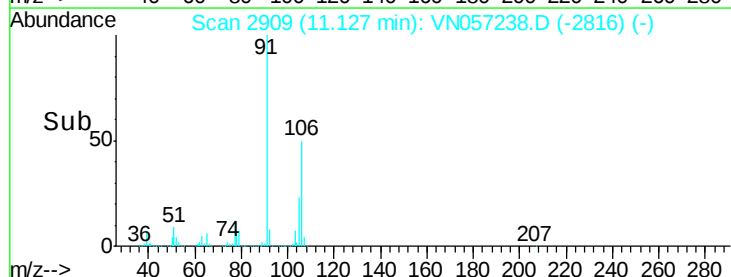
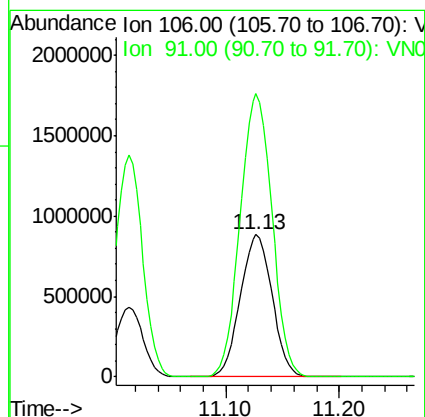
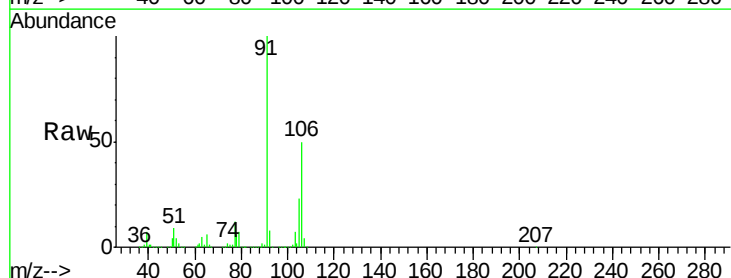
Acq: 13 Aug 2019 00:32

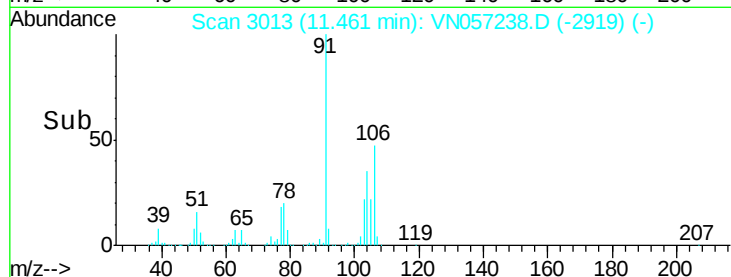
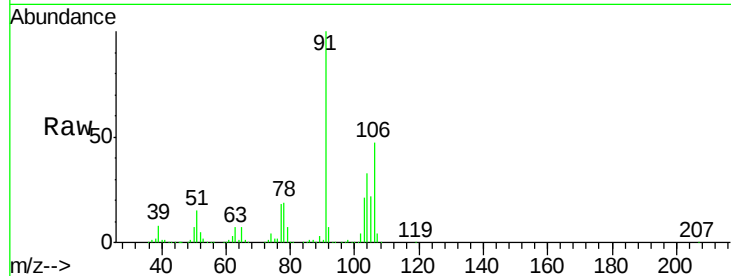
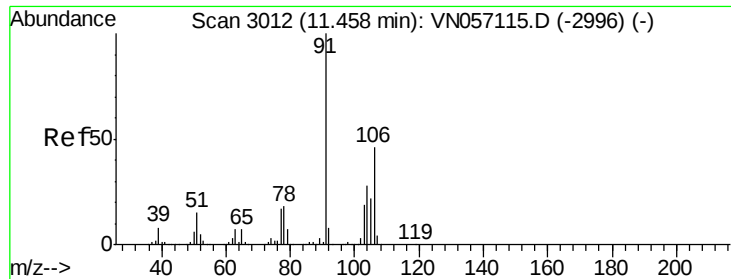
Tgt Ion: 106 Resp: 1728866

Ion Ratio Lower Upper

106 100

91 199.9 159.8 239.8





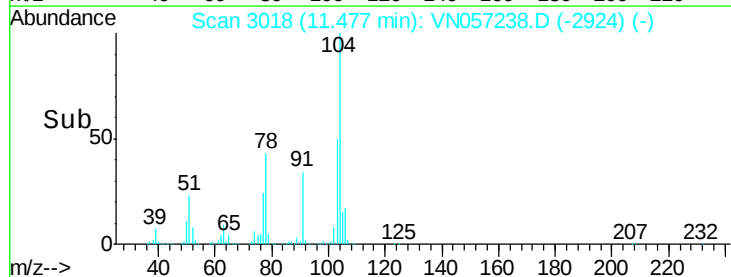
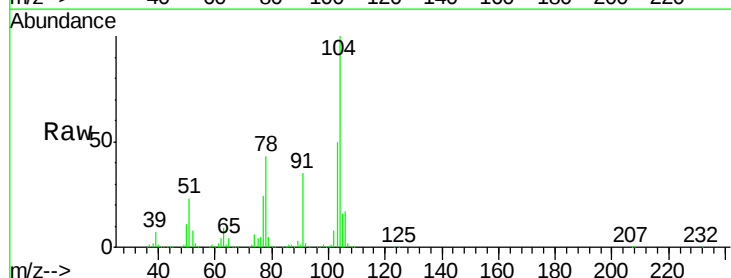
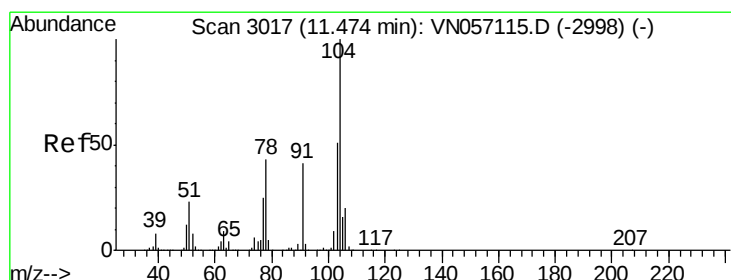
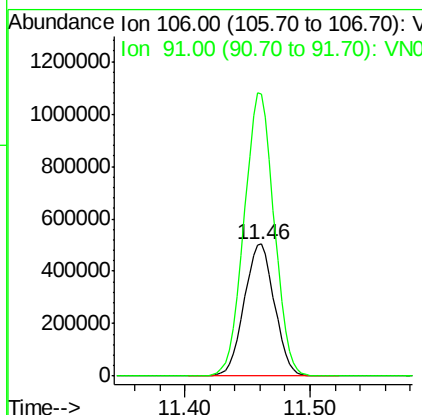
#69
o-Xylene
Concen: 47.788 ug/l
RT: 11.46 min Scan# 3013
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tot Ion:106 Resp: 846208
Ion Ratio Lower Upper
106 100
91 212.5 106.8 320.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

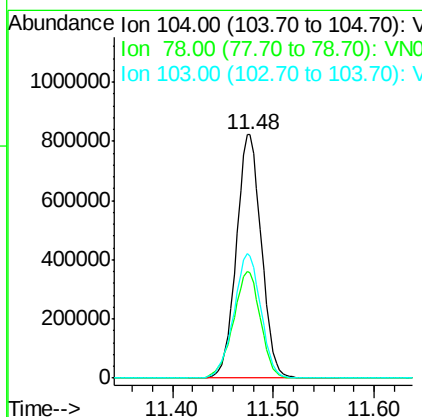
Manual Integrations
APPROVED

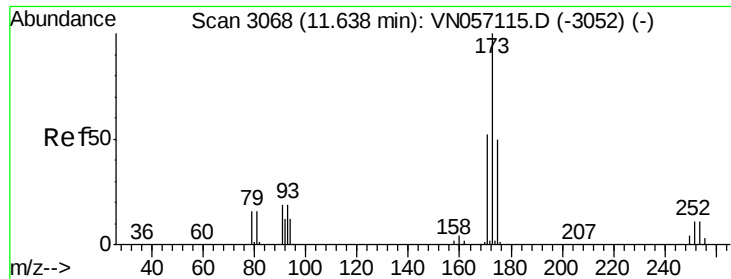
MMDadoda
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#70
Styrene
Concen: 50.998 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion:104 Resp: 1410488
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 55.1 44.6 66.8





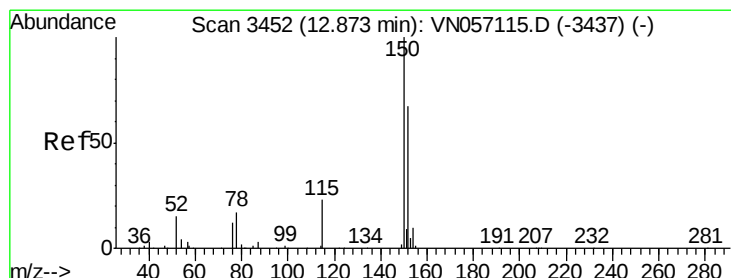
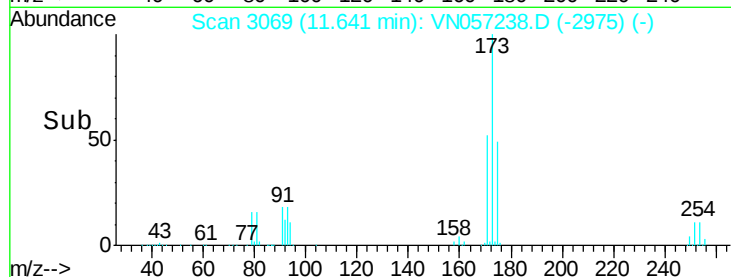
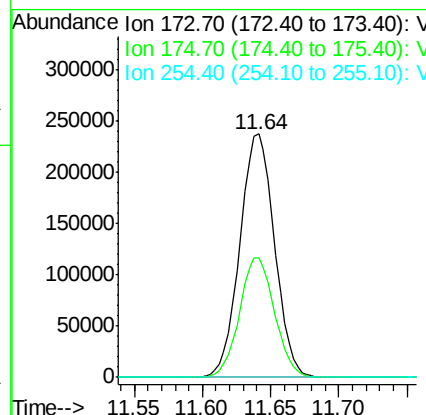
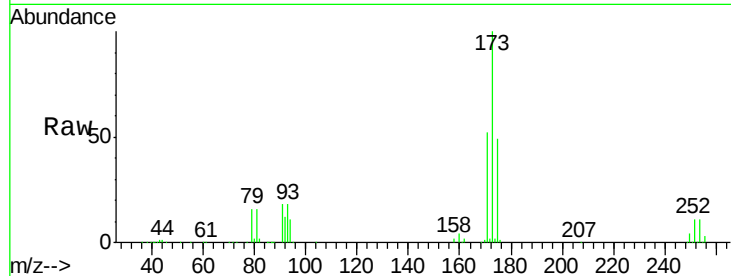
#71
Bromoform
Concen: 54.491 ug/l
RT: 11.64 min Scan# 3069
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	73.8
254	0.2	0.1	0.1#

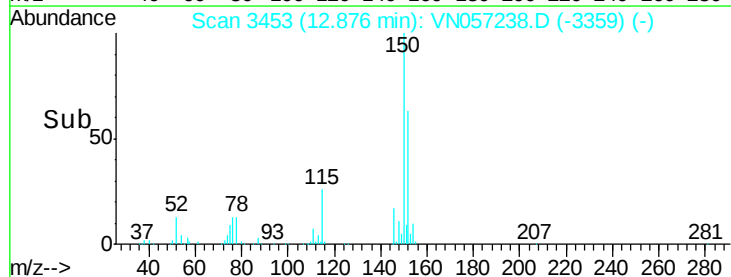
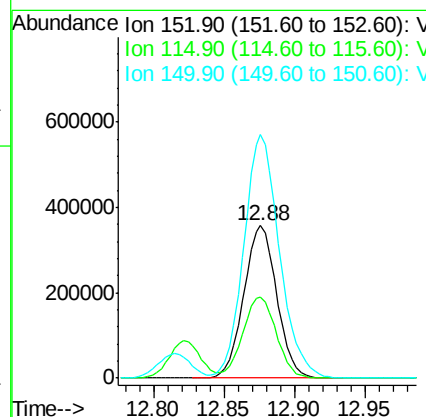
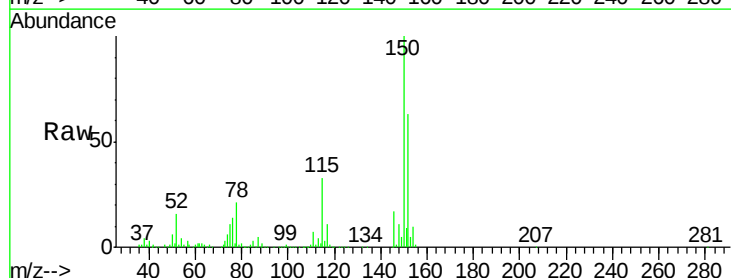
Manual Integrations
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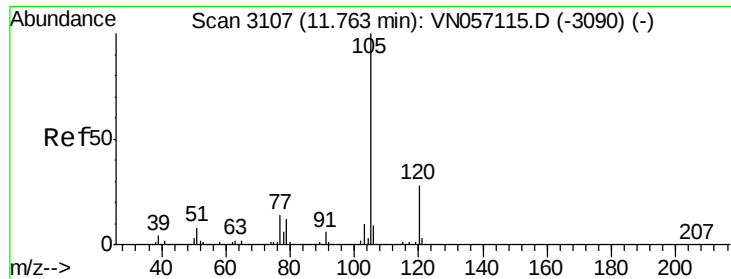
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.88 min Scan# 3453
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.5	82.5
150	172.6	0.0	341.6





#73

Isopropylbenzene

Concen: 47.550 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2269435

Ion Ratio Lower Upper

105 100

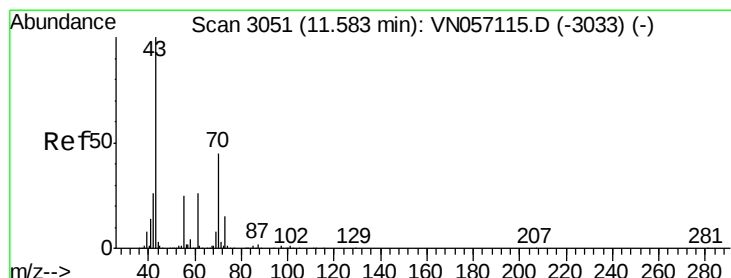
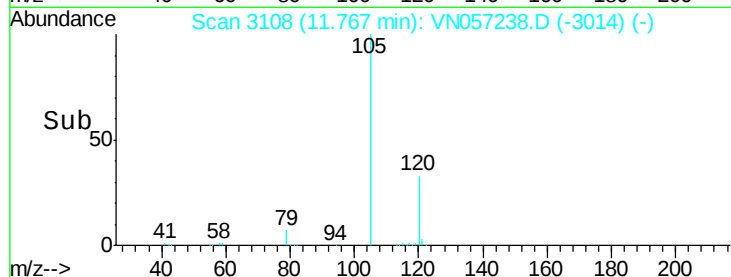
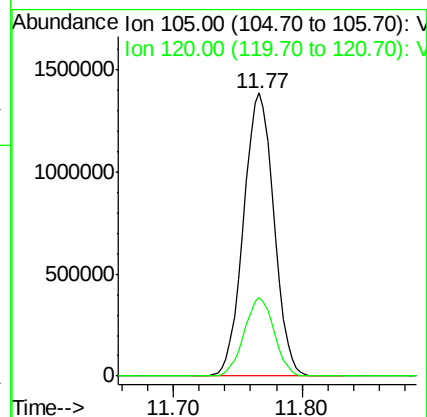
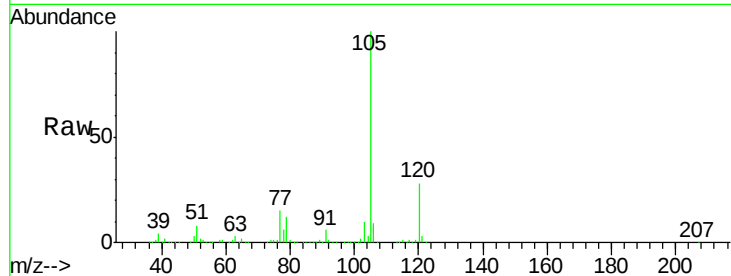
120 27.3 13.7 41.0

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:23:07 AM



#74

N-ethyl acetate

Concen: 46.716 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion: 43 Resp: 691816

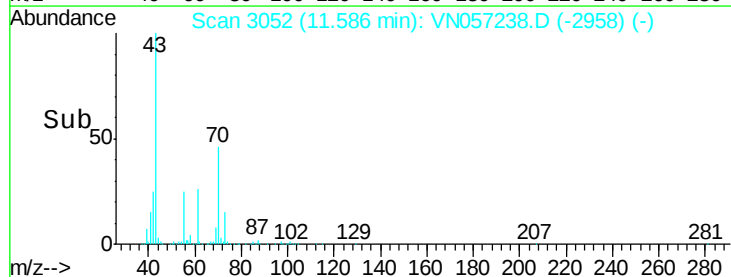
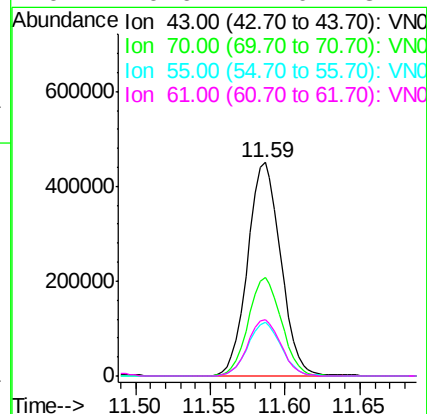
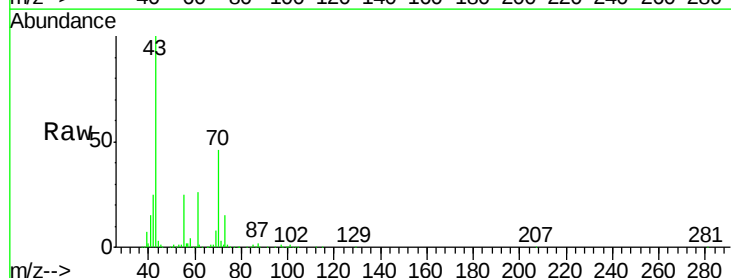
Ion Ratio Lower Upper

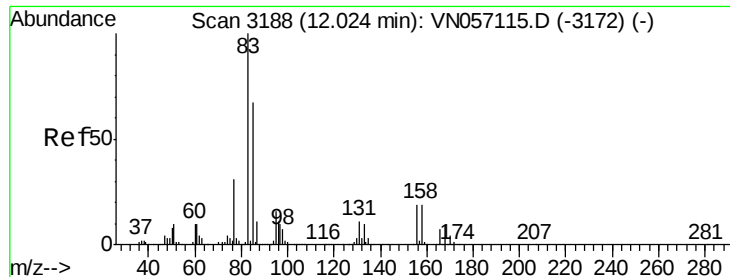
43 100

70 46.5 36.8 55.2

55 25.6 20.6 31.0

61 26.6 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.298 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

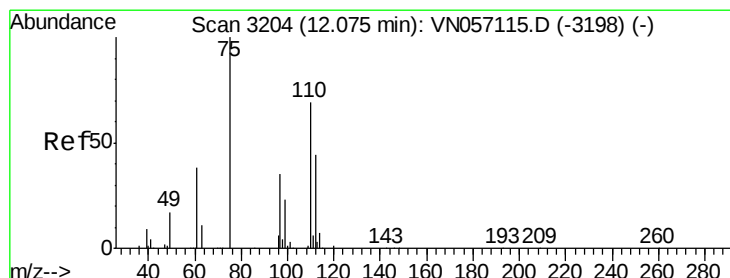
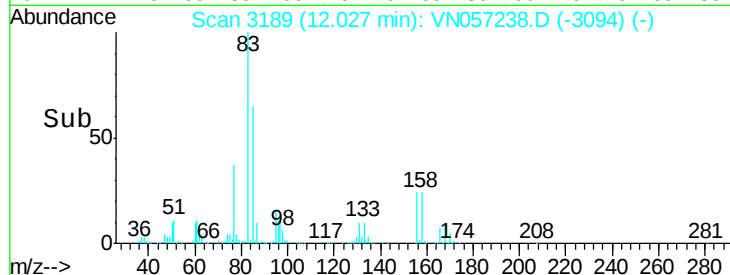
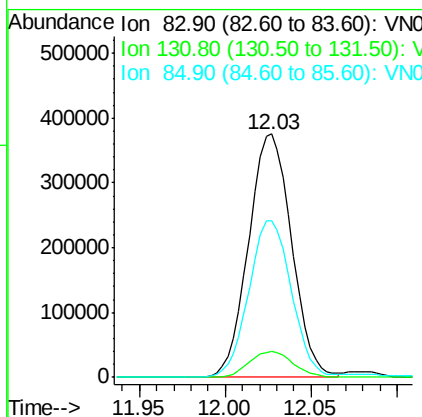
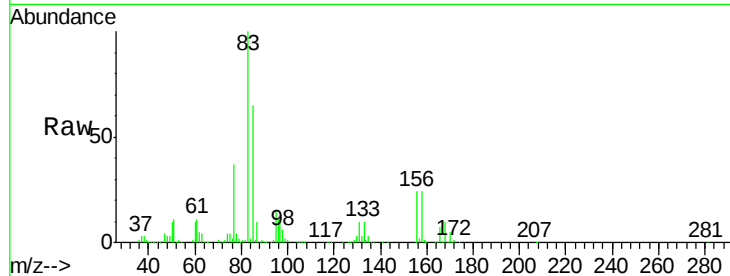
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	652347
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.6	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.278 ug/l m

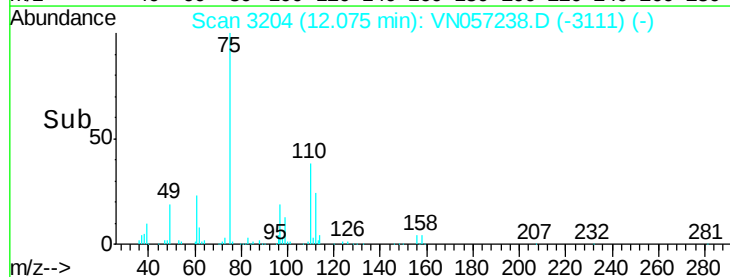
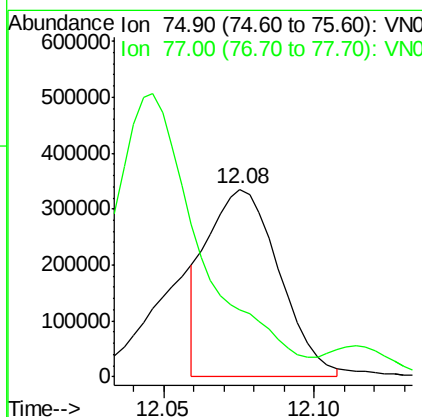
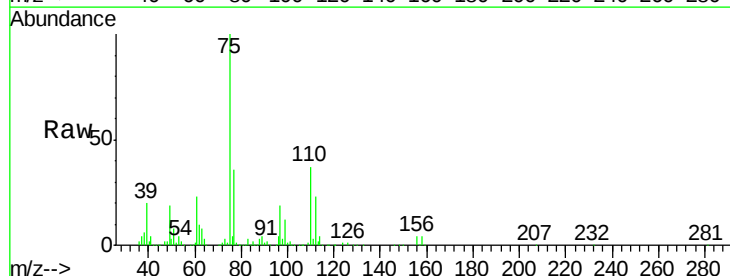
RT: 12.08 min Scan# 3204

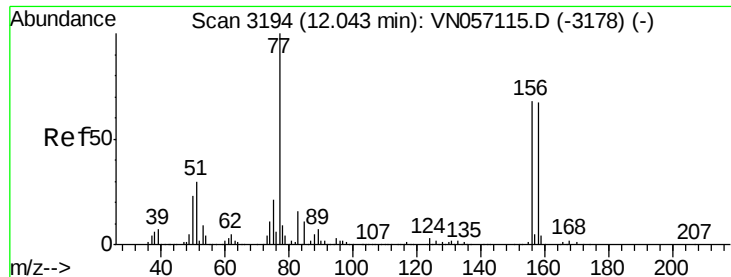
Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	75	Resp:	551812
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





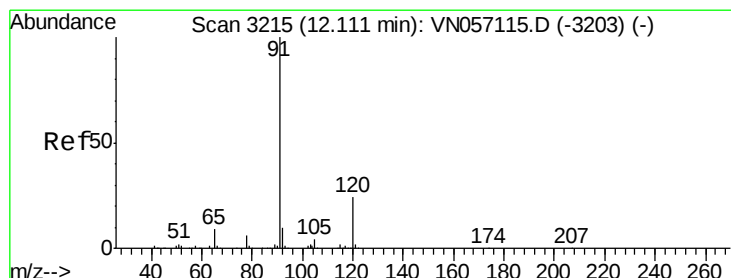
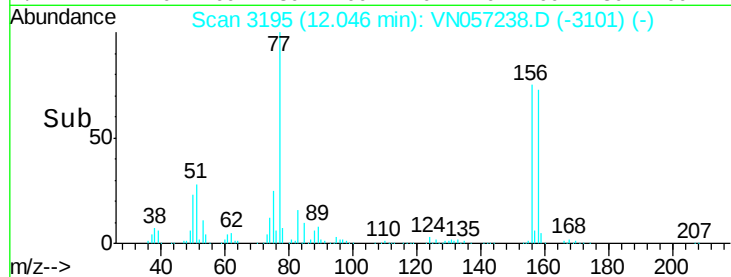
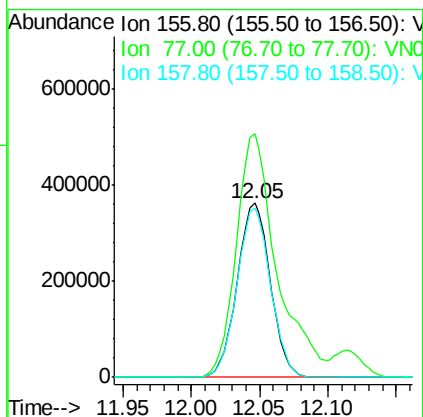
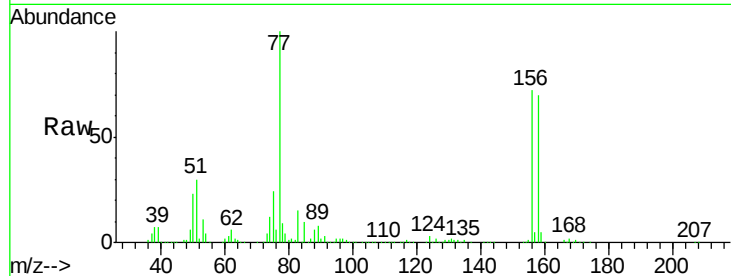
#77
Bromobenzene
Concen: 43.536 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	171.2	88.7	266.1	
158	98.2	49.3	147.8	

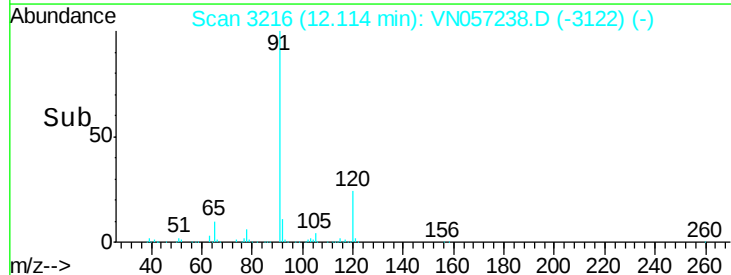
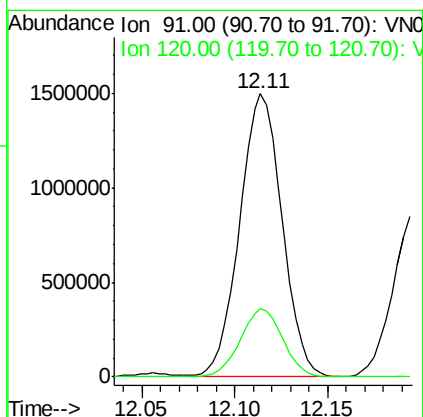
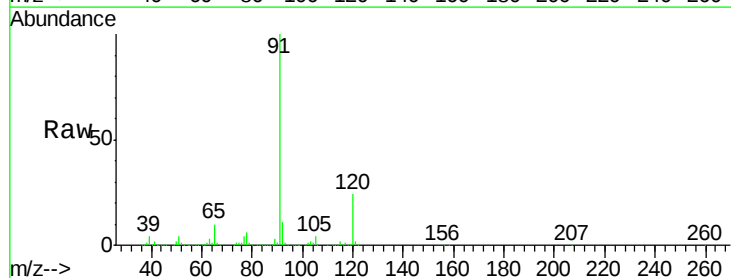
Manual Integrations
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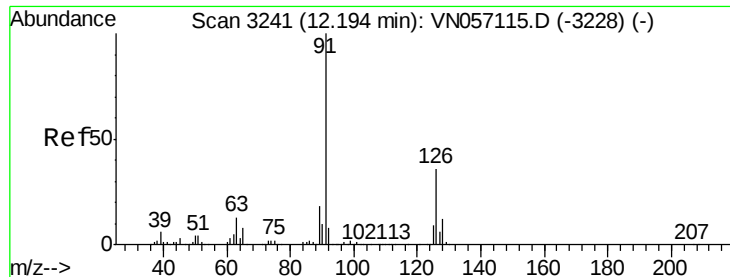
MMDadoda
8/14/2019 9:23:07 AM



#78
n-propylbenzene
Concen: 42.298 ug/l
RT: 12.11 min Scan# 3216
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.2	12.0	36.0	





#79

2-Chlorotoluene

Concen: 47.001 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1471829

Ion Ratio Lower Upper

91 100

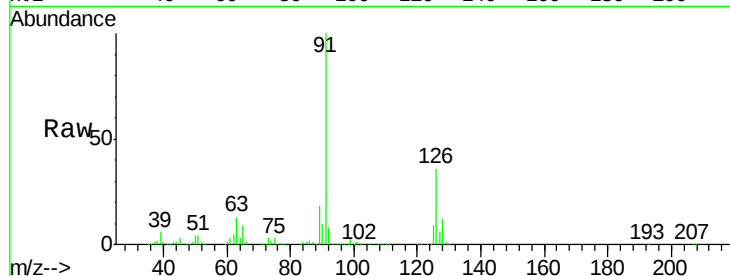
126 36.2 18.1 54.3

Manual Integrations

APPROVED

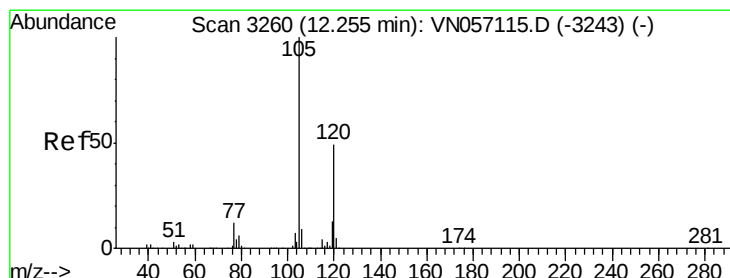
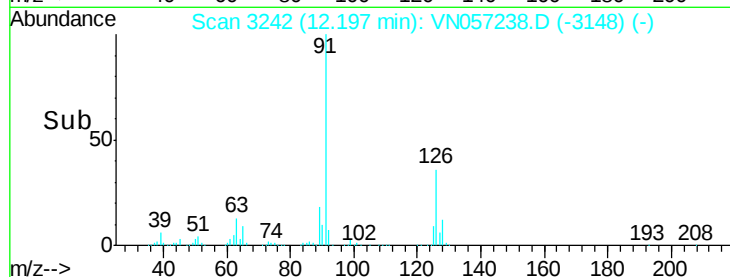
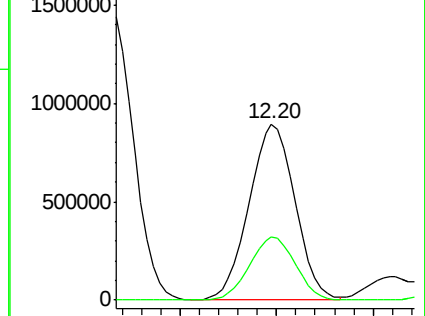
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Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 41.826 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057238.D

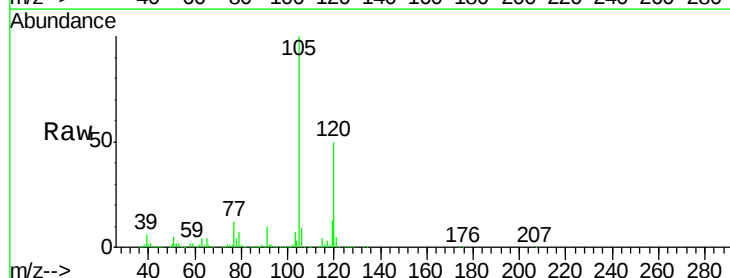
Acq: 13 Aug 2019 00:32

Tgt Ion: 105 Resp: 1887055

Ion Ratio Lower Upper

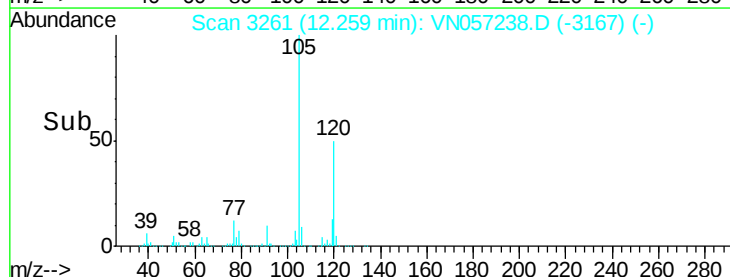
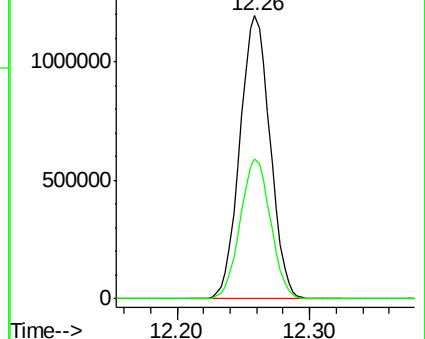
105 100

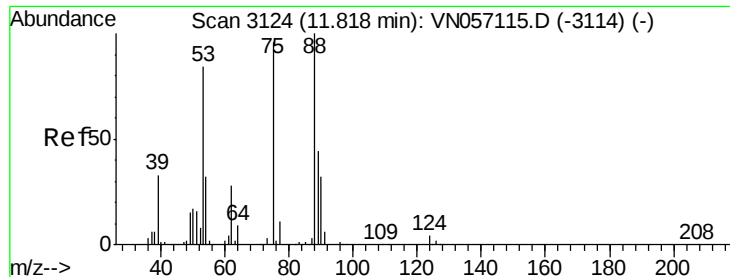
120 49.8 24.6 73.6



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: 44.445 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

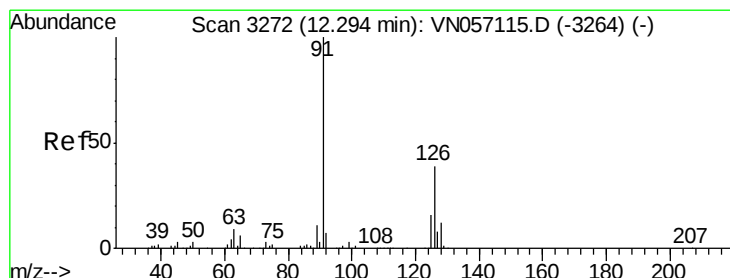
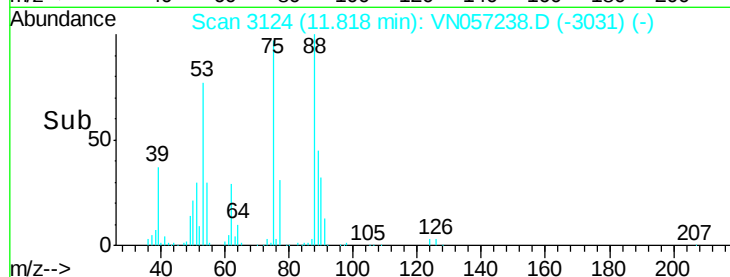
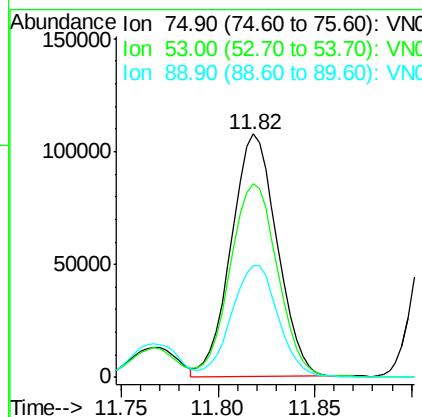
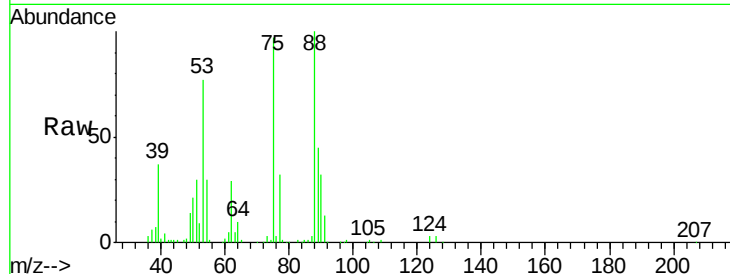
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	176646
Ion	Ratio	Lower	Upper
75	100		
53	83.6	70.6	106.0
89	47.3	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 43.496 ug/l

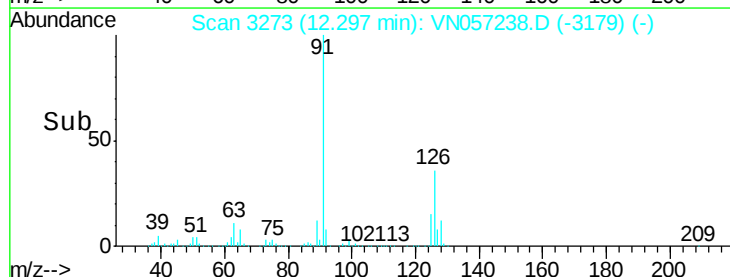
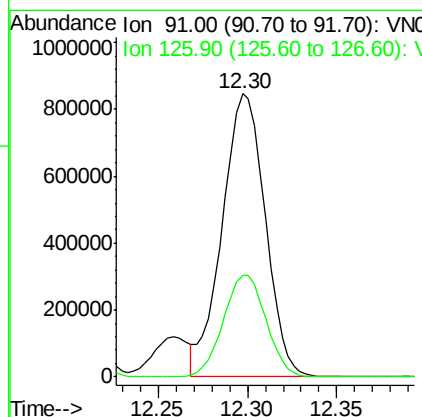
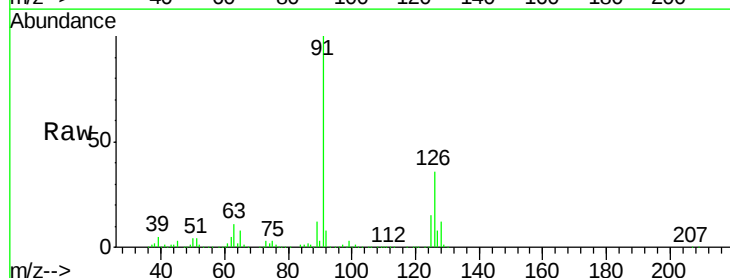
RT: 12.30 min Scan# 3273

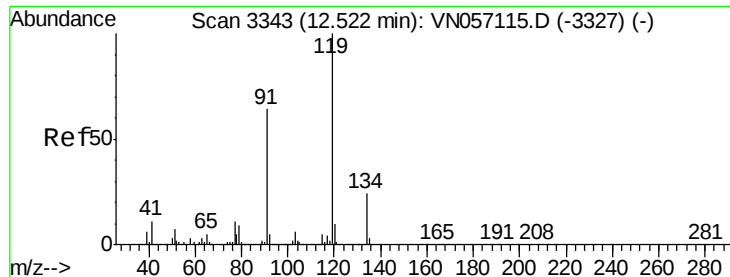
Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	91	Resp:	1411947
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





#83

tert-Butylbenzene

Concen: 47.223 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

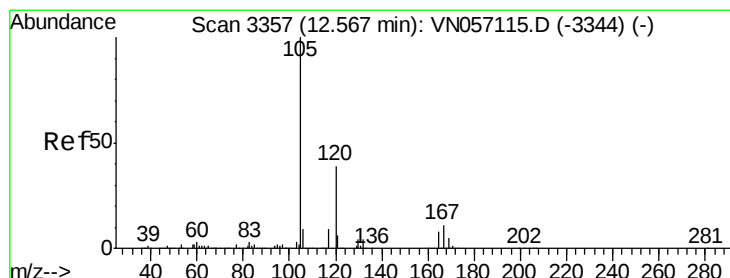
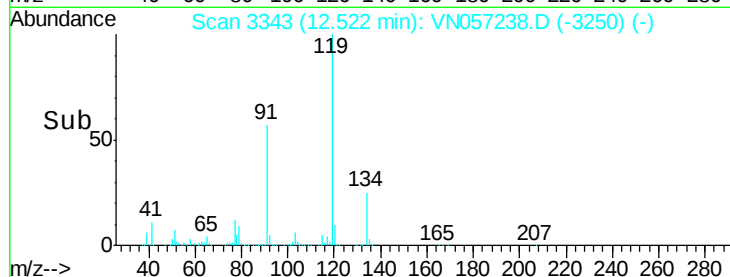
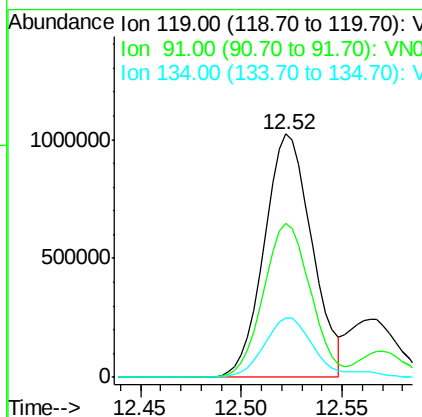
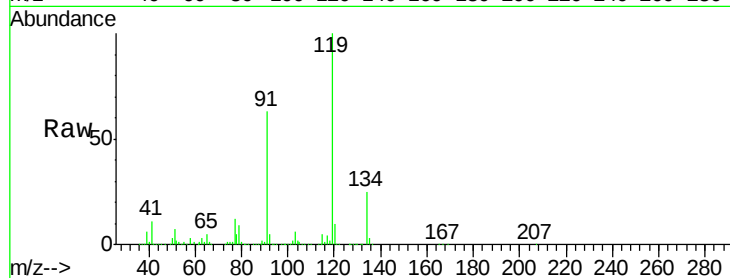
ClientSampled :

VSTDCCC050EC

Tot Ion:	119	Resp:	1683656
Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.4	94.2
134	26.2	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 41.419 ug/l

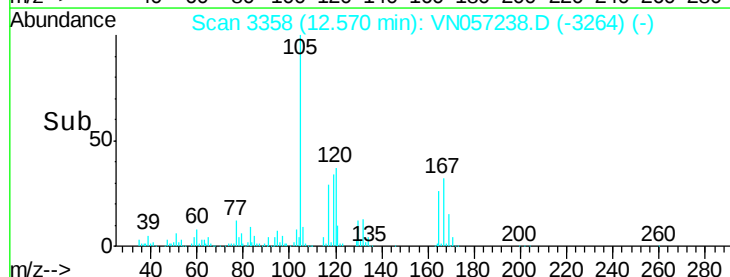
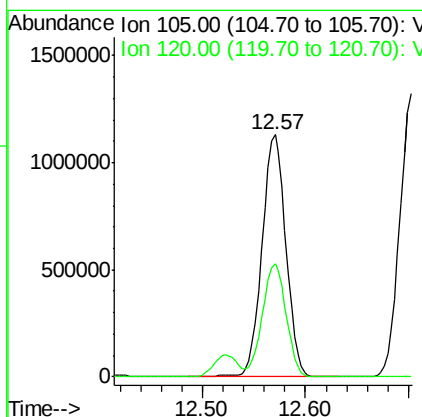
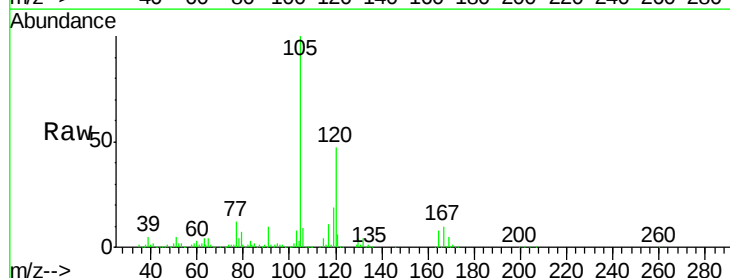
RT: 12.57 min Scan# 3358

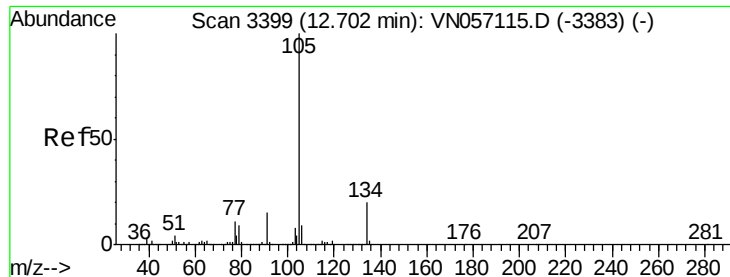
Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	105	Resp:	1806228
Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8





#85

sec-Butylbenzene

Concen: 41.036 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2089347

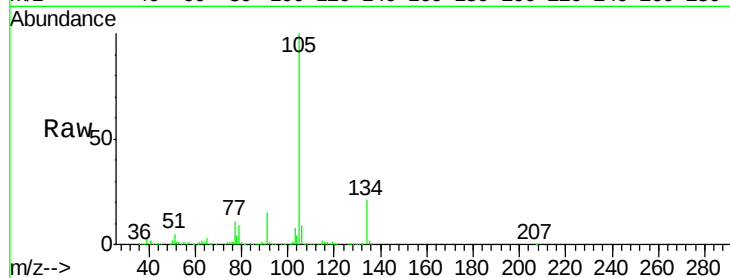
Ion Ratio Lower Upper

105 100

134 20.9 10.2 30.4

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

Ion 134.00 (133.70 to 134.70): V

12.70

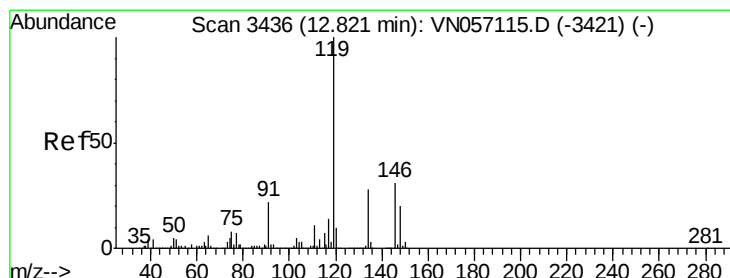
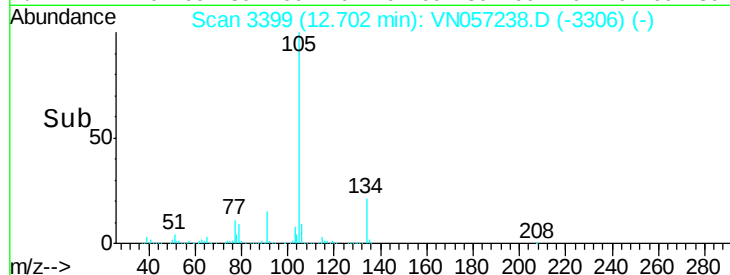
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 41.117 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

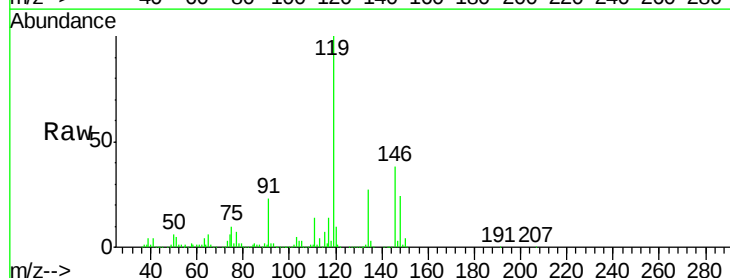
Tgt Ion:119 Resp: 1836973

Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

91 22.5 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

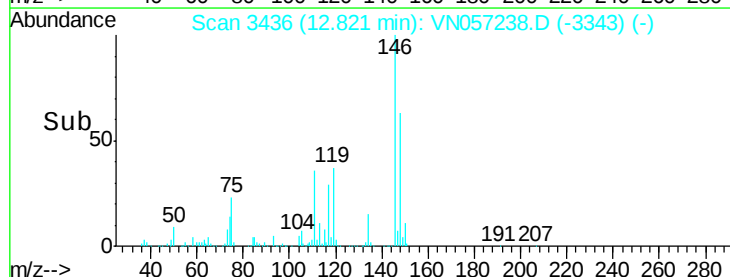
1500000

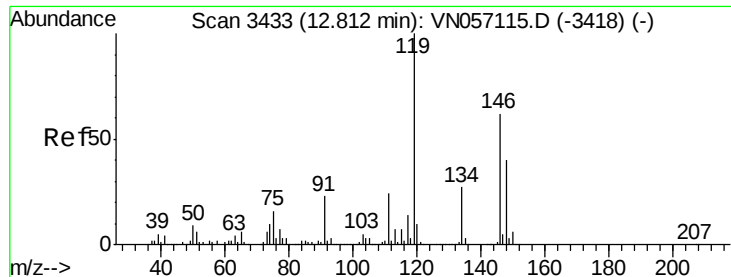
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.537 ug/l

RT: 12.81 min Scan# 3434

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

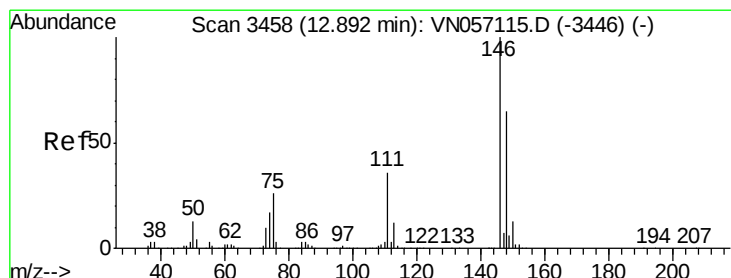
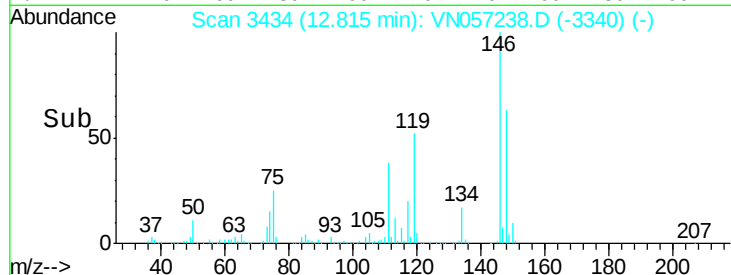
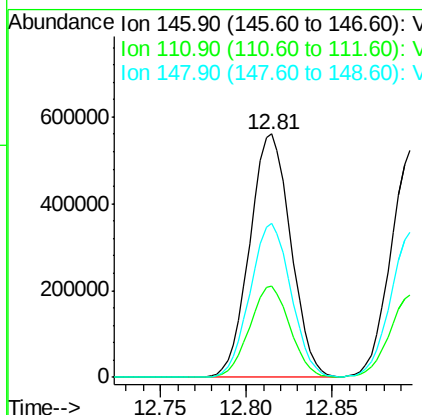
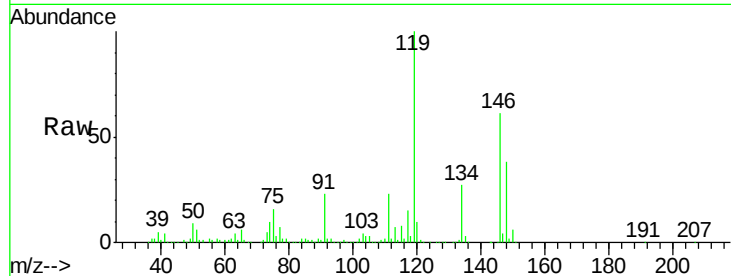
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	930615
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.8	56.4
148	62.8	32.4	97.0

Manual Integrations
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MMDadoda
8/14/2019 9:23:07 AM



#88

1,4-Dichlorobenzene

Concen: 45.877 ug/l

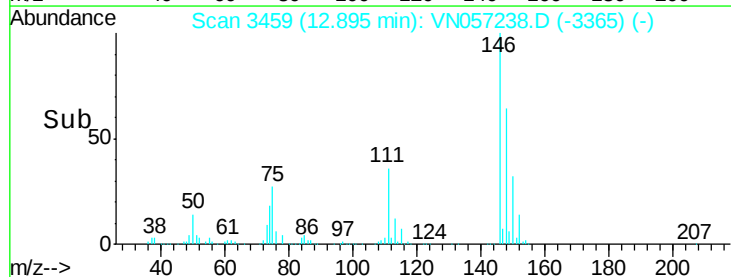
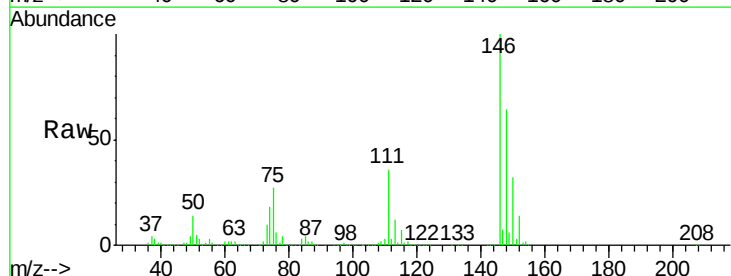
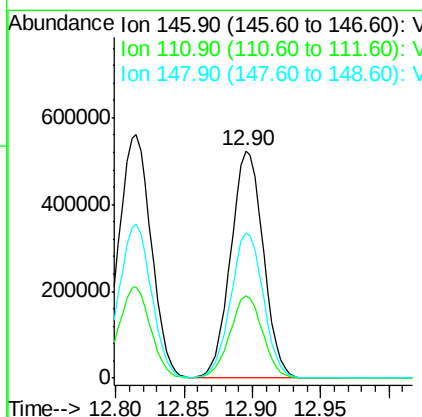
RT: 12.90 min Scan# 3459

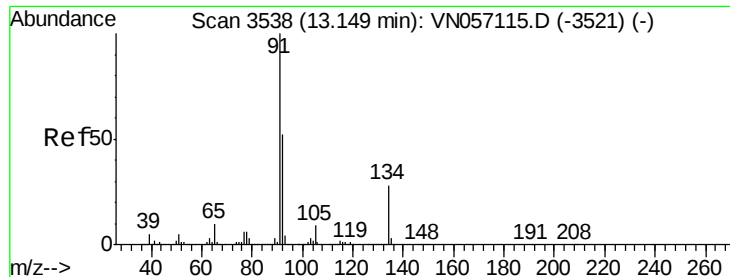
Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion:	146	Resp:	869247
Ion Ratio	Lower	Upper	
146	100		
111	36.2	18.2	54.6
148	63.8	32.0	96.2





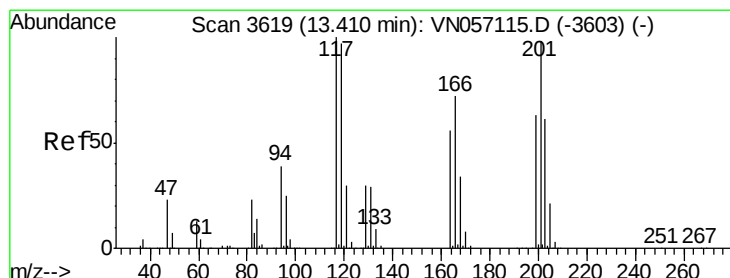
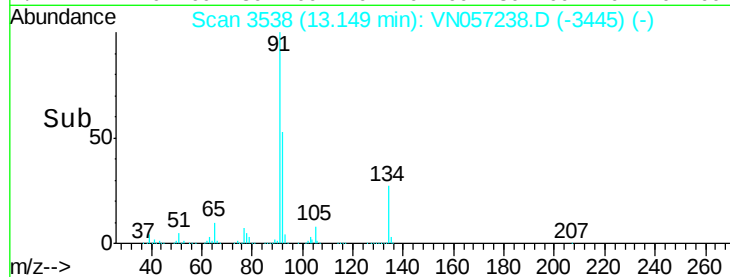
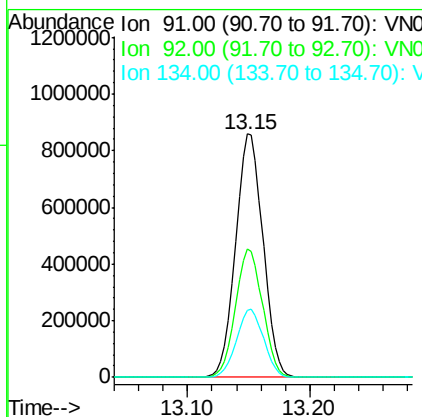
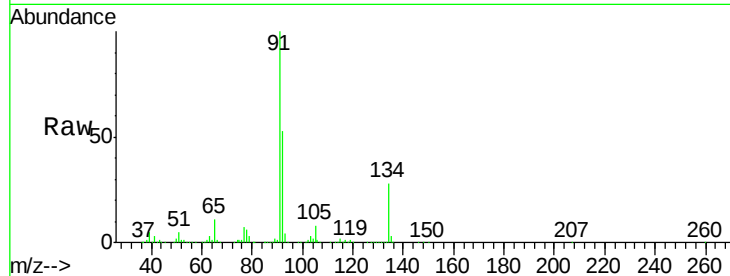
#89
n-Butylbenzene
Concen: 43.220 ug/l
RT: 13.15 min Scan# 3538
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.5	79.4
134	27.7	14.1	42.3

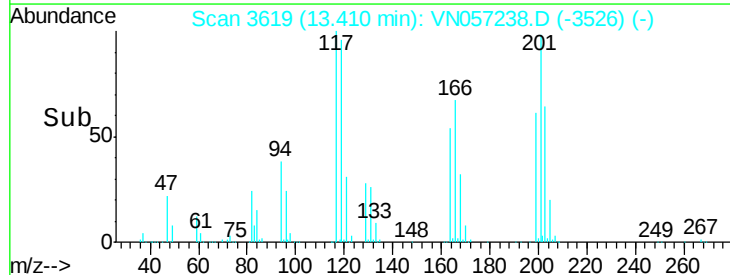
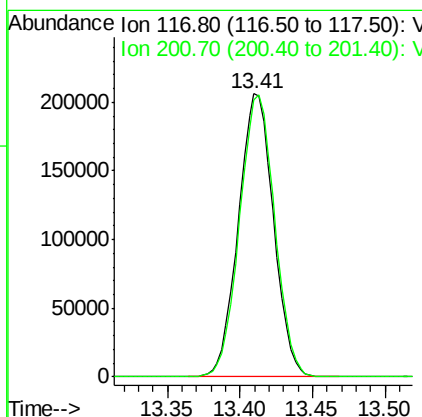
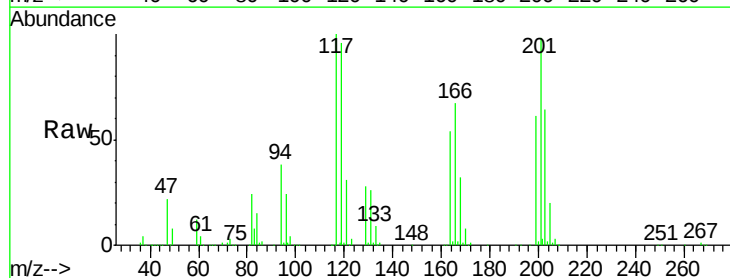
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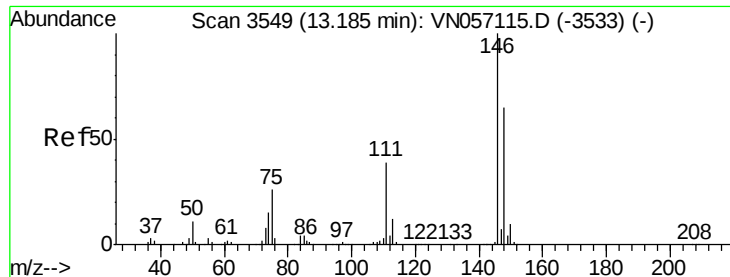
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#90
Hexachloroethane
Concen: 48.888 ug/l
RT: 13.41 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.6	49.3	147.8





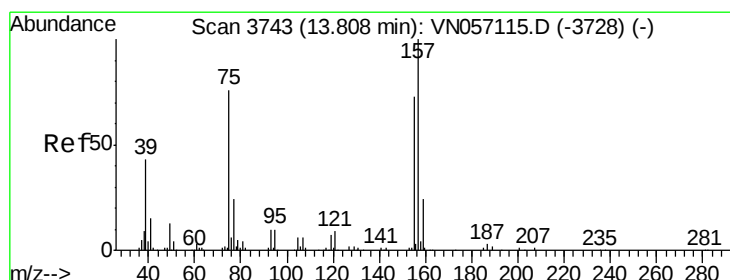
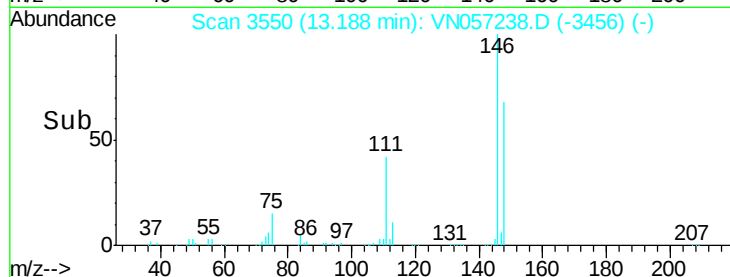
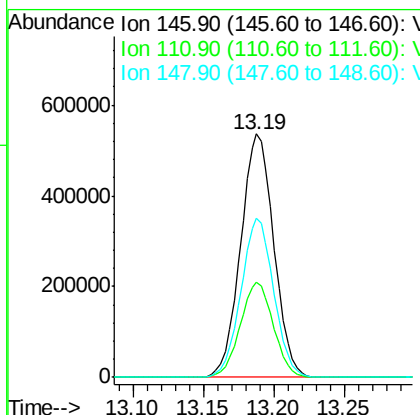
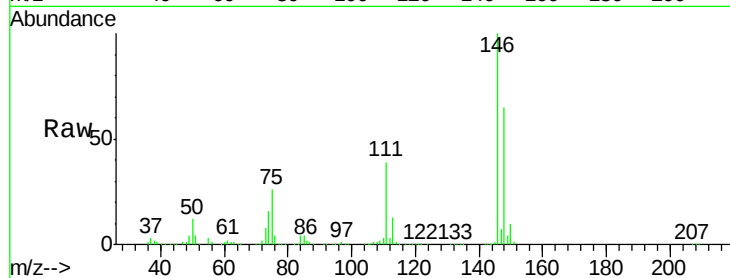
#91
 1,2-Dichlorobenzene
 Concen: 44.270 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.2	57.6
148	64.5	32.4	97.0

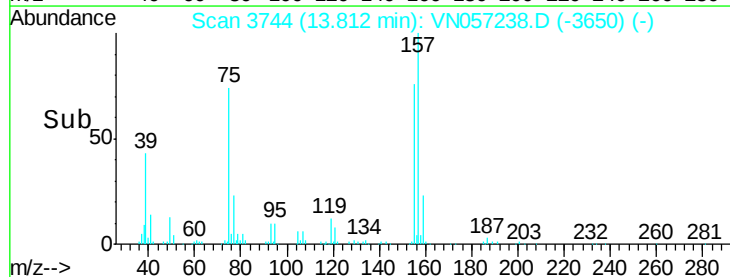
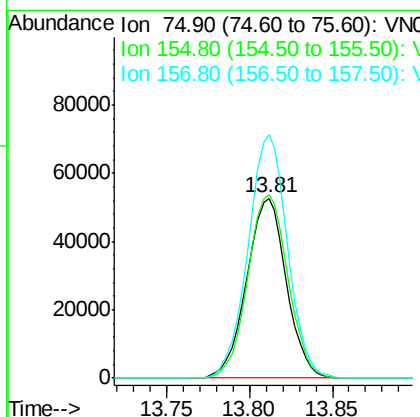
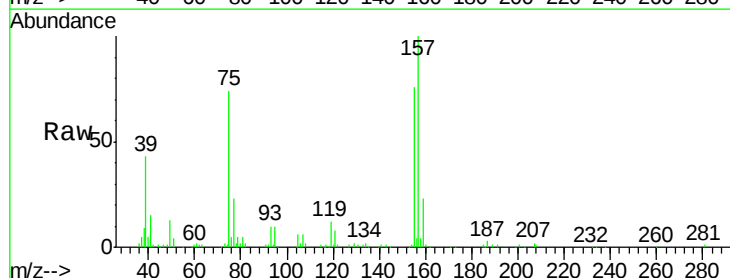
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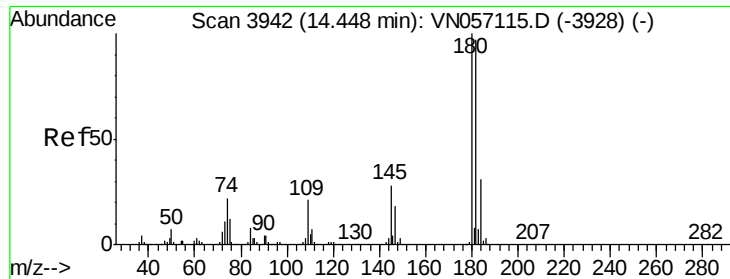
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.830 ug/l
 RT: 13.81 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.1	49.3	147.9
157	134.4	65.3	195.8





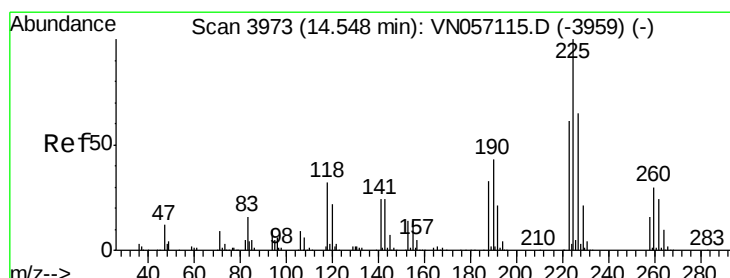
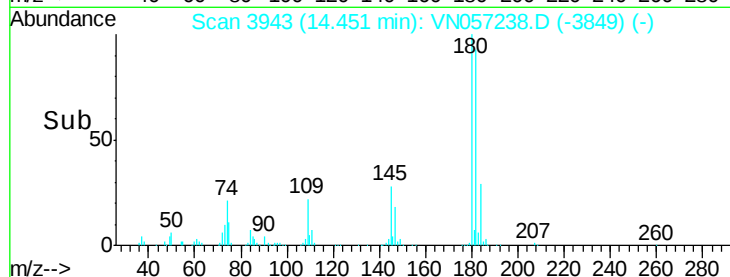
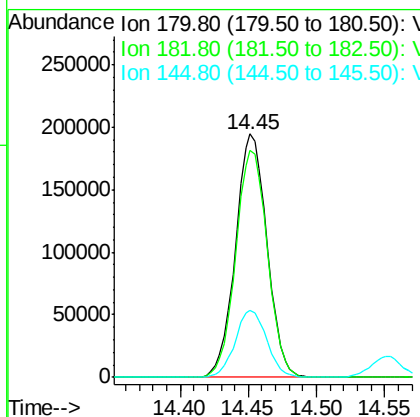
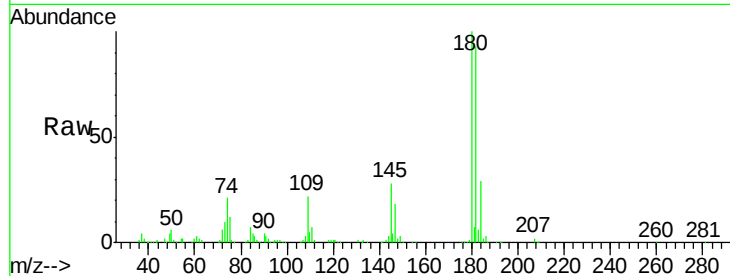
#93
 1,2,4-Trichlorobenzene
 Concen: 38.305 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	311092		
182	93.9	47.5	142.6	
145	27.6	14.1	42.2	

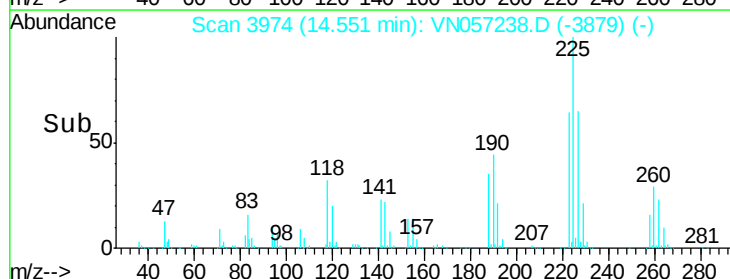
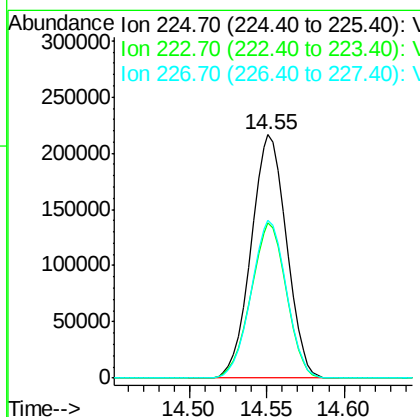
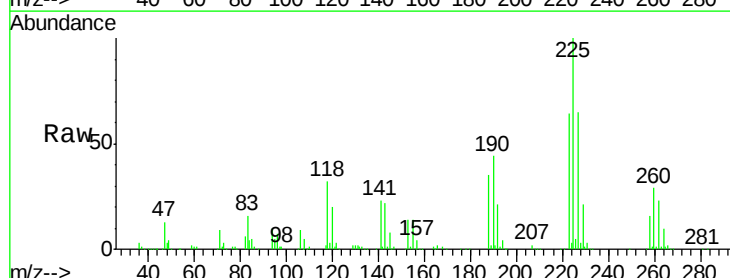
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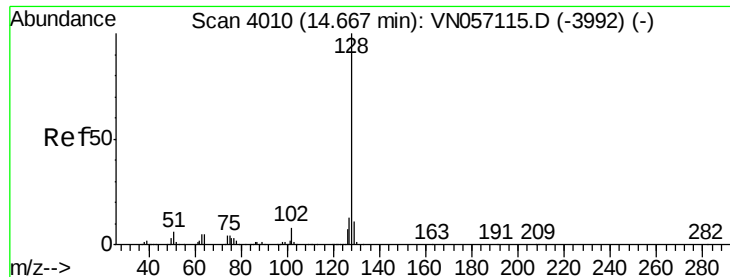
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#94
 Hexachlorobutadiene
 Concen: 49.565 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	345652		
223	63.7	30.9	92.8	
227	64.6	32.4	97.0	





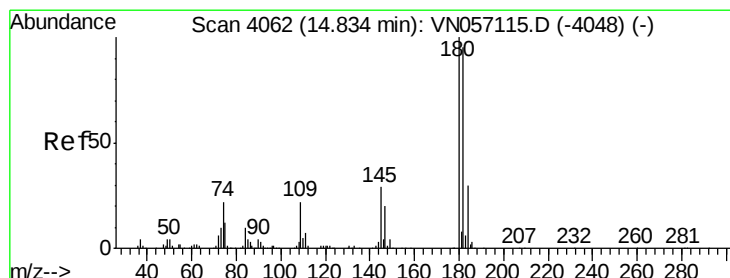
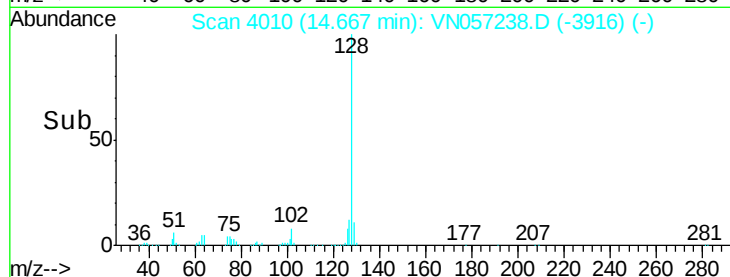
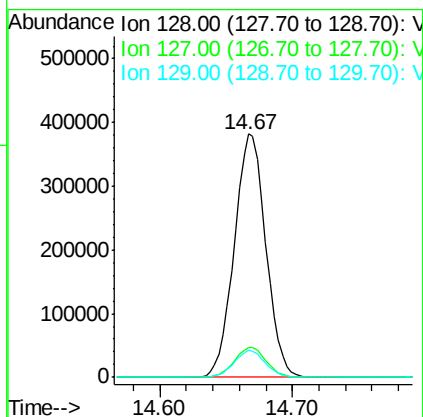
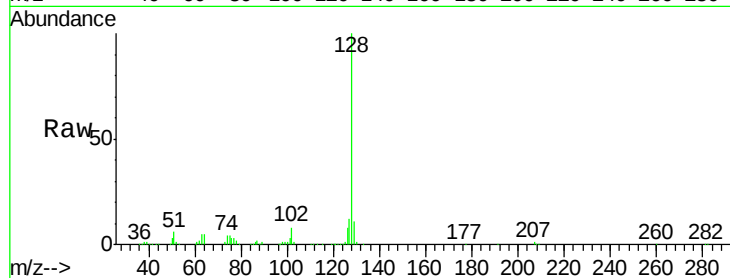
#95
Naphthalene
Concen: 39.231 ug/l
RT: 14.67 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	630106		
127	12.5	10.3	15.5	
129	10.9	8.8	13.2	

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#96
1,2,3-Trichlorobenzene
Concen: 35.235 ug/l
RT: 14.84 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	291925		
182	95.4	48.3	144.8	
145	29.5	14.9	44.5	

