

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057637.D
 Acq On : 1 Sep 2019 12:15
 Operator : JC/SP
 Sample : VN0902MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:02:50 AM

Quant Time: Sep 02 02:09:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	186350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	322386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	288034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	114275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	221084	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	7.58	113	141852	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
50) Toluene-d8	10.08	98	551204	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	188609	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	61924	20.780	ug/l	99
3) Chloromethane	2.05	50	73779	21.477	ug/l	100
4) Vinyl Chloride	2.18	62	58090	21.589	ug/l	97
5) Bromomethane	2.51	94	34678	20.369	ug/l	96
6) Chloroethane	2.67	64	31759	21.131	ug/l	99
7) Trichlorofluoromethane	3.00	101	80687	21.363	ug/l	99
8) Diethyl Ether	3.40	74	26123	20.901	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	40156	20.971	ug/l	98
10) Methyl Iodide	3.93	142	49883	20.177	ug/l	99
11) Tert butyl alcohol	4.81	59	45615	103.313	ug/l #	89
12) 1,1-Dichloroethene	3.71	96	35766	20.605	ug/l	96
13) Acrolein	3.59	56	16676	94.992	ug/l	97
14) Allyl chloride	4.29	41	107004	19.760	ug/l	98
15) Acrylonitrile	4.98	53	140110	105.754	ug/l	99
16) Acetone	3.81	43	120410	102.063	ug/l	95
17) Carbon Disulfide	4.02	76	107483	19.154	ug/l	99
18) Methyl Acetate	4.31	43	85832	21.189	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	187732	20.905	ug/l	100
20) Methylene Chloride	4.53	84	62349	21.347	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	54461	21.104	ug/l	98
22) Diisopropyl ether	5.94	45	232927	20.925	ug/l	99
23) Vinyl Acetate	5.88	43	887696	103.762	ug/l	100
24) 1,1-Dichloroethane	5.82	63	118433	21.195	ug/l	99
25) 2-Butanone	6.83	43	207828	105.719	ug/l	97
26) 2,2-Dichloropropane	6.81	77	89628	20.067	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	63237	20.521	ug/l	98
28) Bromochloromethane	7.18	49	65677	22.071	ug/l	99
29) Tetrahydrofuran	7.20	42	129785	105.232	ug/l	100
30) Chloroform	7.36	83	115694	20.409	ug/l	95
31) Cyclohexane	7.63	56	115722	20.750	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	96181	20.684	ug/l	98
36) 1,1-Dichloropropene	7.78	75	84105	19.678	ug/l	100
37) Ethyl Acetate	6.92	43	83505	20.510	ug/l #	96
38) Carbon Tetrachloride	7.76	117	73978	19.336	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98292	19.464	ug/l	99
40) Benzene	8.03	78	248006	19.933	ug/l	97
41) Methacrylonitrile	7.16	41	44323	20.817	ug/l	93
42) 1,2-Dichloroethane	8.11	62	103195	20.421	ug/l	99
43) Isopropyl Acetate	8.16	43	145536	19.868	ug/l	99
44) Trichloroethene	8.82	130	55769	19.759	ug/l	99
45) 1,2-Dichloropropane	9.11	63	68605	19.796	ug/l	99
46) Dibromomethane	9.20	93	42192	19.663	ug/l	99
47) Bromodichloromethane	9.39	83	83728	19.206	ug/l	95
48) Methyl methacrylate	9.19	41	73359	19.616	ug/l	99
49) 1,4-Dioxane	9.20	88	17475	399.037	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	428504	102.066	ug/l	100
52) Toluene	10.15	92	149944	20.391	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	81705	18.916	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	95114	18.948	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	54721	19.613	ug/l	99
56) Ethyl methacrylate	10.43	69	89455	19.213	ug/l	100
57) 1,3-Dichloropropane	10.71	76	102442	20.013	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	115013	84.435	ug/l	99
59) 2-Hexanone	10.75	43	297375	96.455	ug/l	98
60) Dibromochloromethane	10.90	129	49792	18.670	ug/l	97
61) 1,2-Dibromoethane	11.00	107	55505	19.758	ug/l	98
64) Tetrachloroethene	10.63	164	52151	20.910	ug/l	98
65) Chlorobenzene	11.43	112	143412	19.870	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	46971	18.660	ug/l	96
67) Ethyl Benzene	11.51	91	290470	20.713	ug/l	99
68) m/p-Xylenes	11.62	106	199124	40.305	ug/l	100
69) o-Xylene	11.95	106	95531	19.952	ug/l	98
70) Styrene	11.96	104	153337	19.458	ug/l	97
71) Bromoform	12.13	173	26817	18.771	ug/l #	100
73) Isopropylbenzene	12.25	105	264669	22.940	ug/l	100
74) N-amyl acetate	12.07	43	122478	22.494	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	76636	22.537	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	71733m	23.864	ug/l	
77) Bromobenzene	12.53	156	55577	22.632	ug/l	98
78) n-propylbenzene	12.59	91	285400	22.225	ug/l	98
79) 2-Chlorotoluene	12.68	91	180074	22.488	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	216264	22.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	16474	18.786	ug/l	92
82) 4-Chlorotoluene	12.77	91	164832	20.796	ug/l	100
83) tert-Butylbenzene	12.99	119	184276	22.881	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	202197	22.019	ug/l	98
85) sec-Butylbenzene	13.17	105	231524	21.372	ug/l	100
86) p-Isopropyltoluene	13.29	119	189442	21.146	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	81720	20.427	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	76316	19.749	ug/l	99
89) n-Butylbenzene	13.62	91	182647	21.755	ug/l	99
90) Hexachloroethane	13.88	117	31518	20.264	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	78042	20.443	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10558	20.164	ug/l	99

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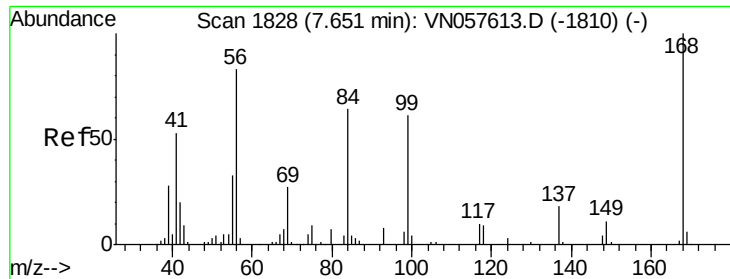
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	23477	20.114	ug/l	97
94) Hexachlorobutadiene	15.01	225	26657	20.348	ug/l	96
95) Naphthalene	15.13	128	69801	19.190	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	22129	19.041	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion:168 Resp: 186350

Ion Ratio Lower Upper

168 100

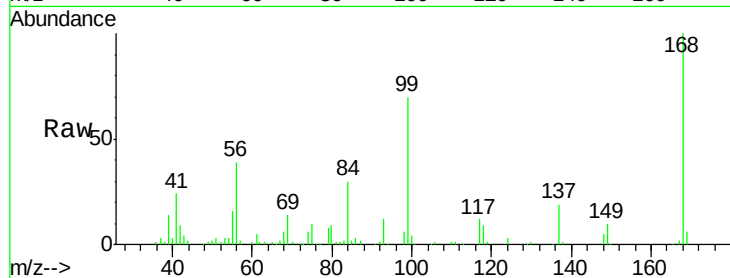
99 69.7 54.2 81.2

Manual Integrations

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9/3/2019 11:02:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

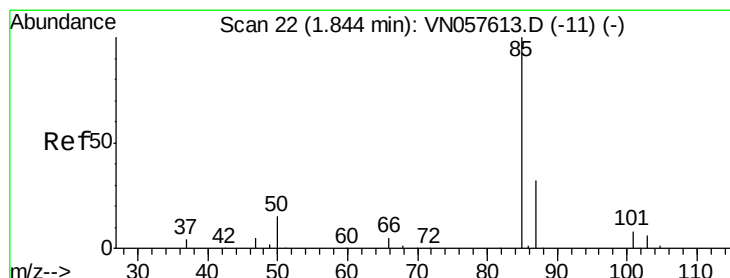
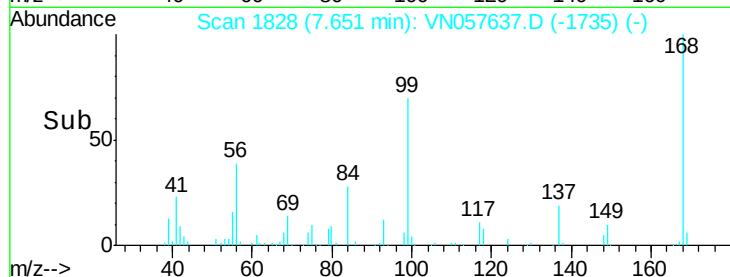
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.780 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057637.D

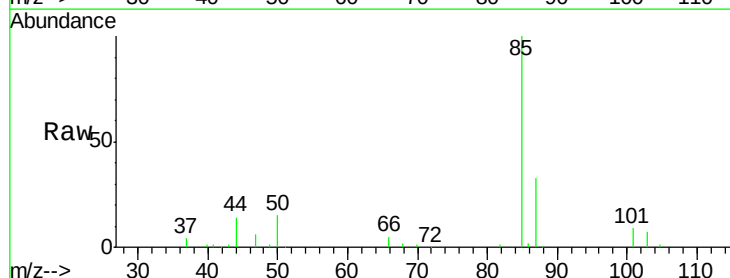
Acq: 1 Sep 2019 12:15

Tgt Ion: 85 Resp: 61924

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

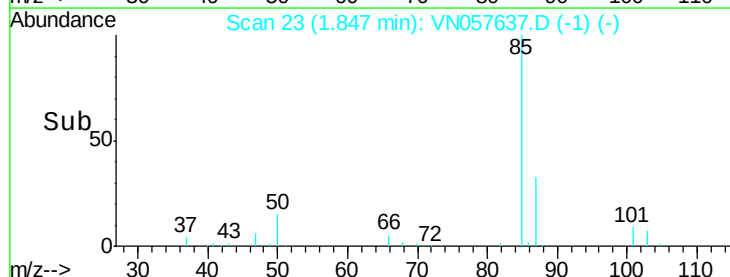
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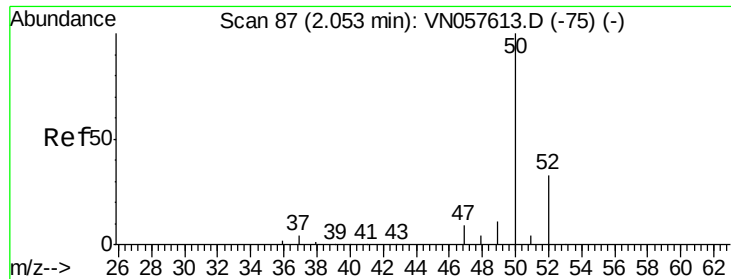
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.477 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 50 Resp: 73779

Ion Ratio Lower Upper

50 100

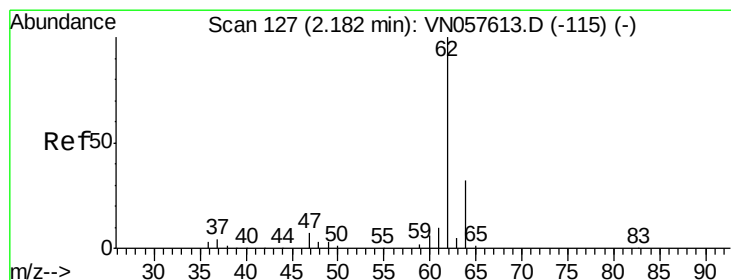
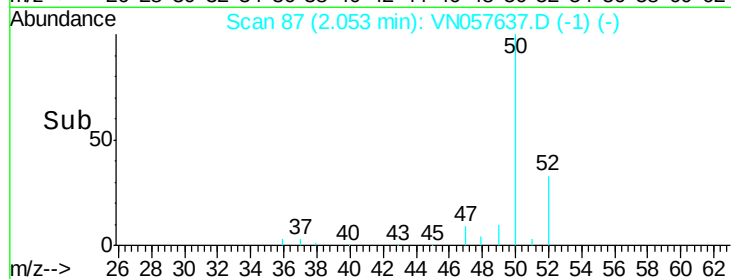
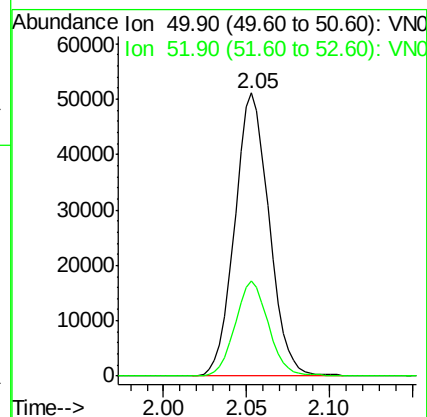
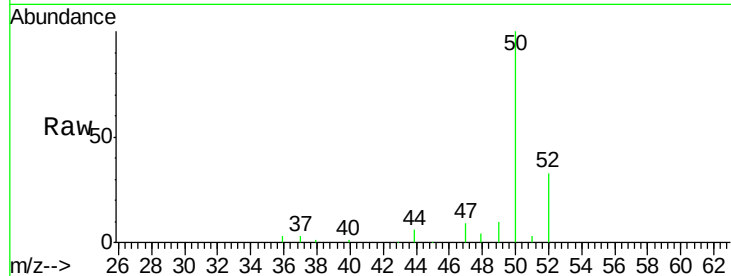
52 33.5 26.7 40.1

Manual Integrations

APPROVED

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9/3/2019 11:02:50 AM



#4

Vinyl Chloride

Concen: 21.589 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057637.D

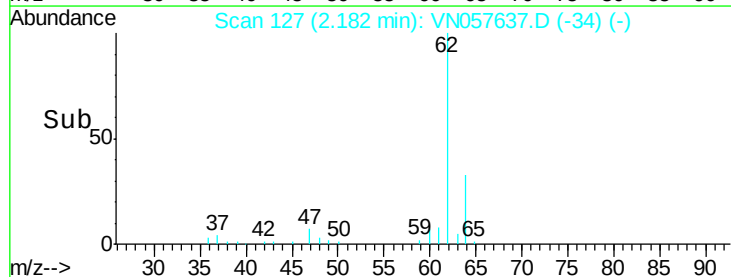
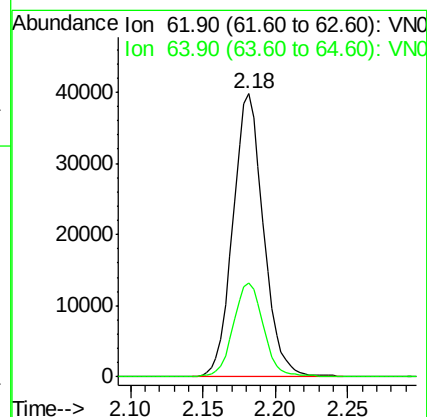
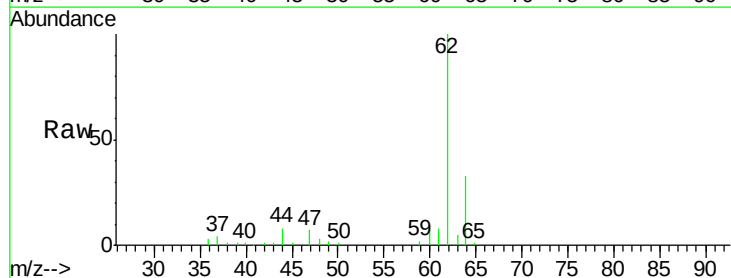
Acq: 1 Sep 2019 12:15

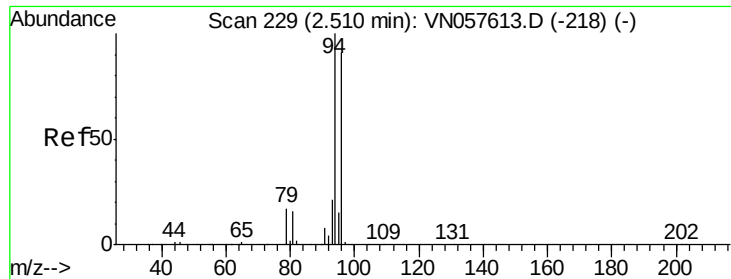
Tgt Ion: 62 Resp: 58090

Ion Ratio Lower Upper

62 100

64 33.0 25.2 37.8





#5

Bromomethane

Concen: 20.369 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 94 Resp: 34678

Ion Ratio Lower Upper

94 100

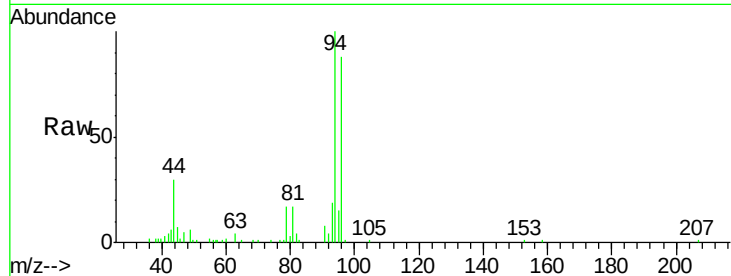
96 87.7 72.9 109.3

Manual Integrations

APPROVED

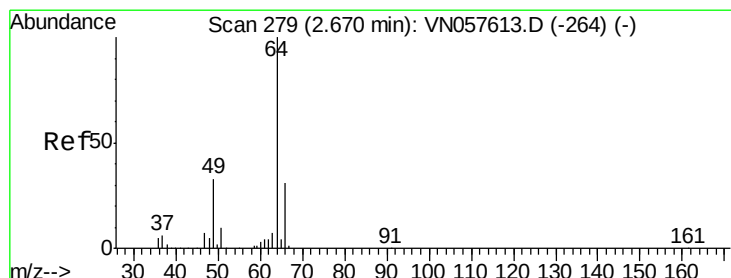
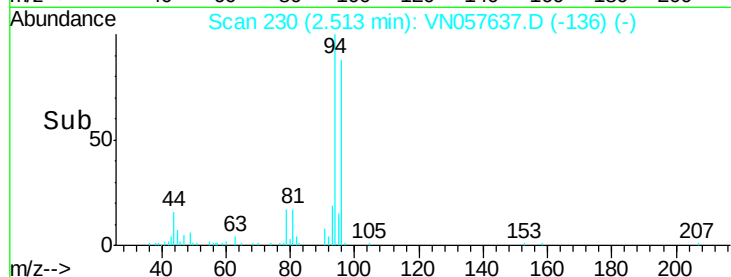
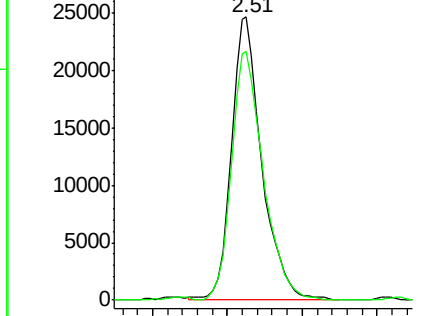
MMDadoda

9/3/2019 11:02:50 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.131 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN057637.D

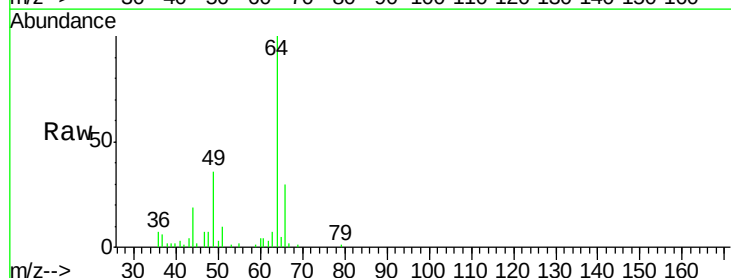
Acq: 1 Sep 2019 12:15

Tgt Ion: 64 Resp: 31759

Ion Ratio Lower Upper

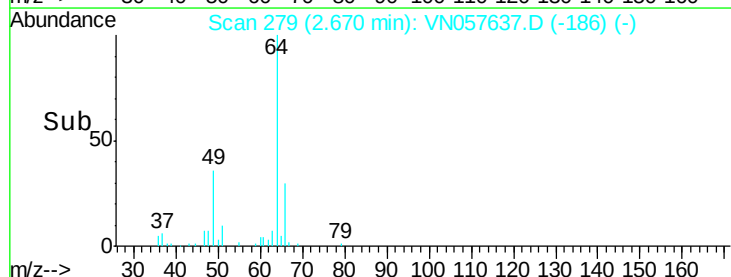
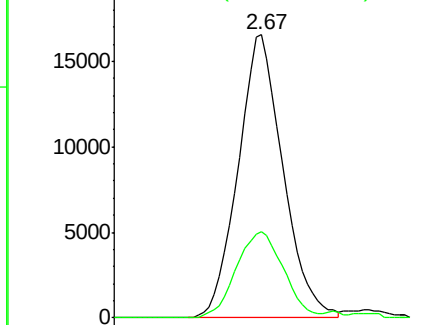
64 100

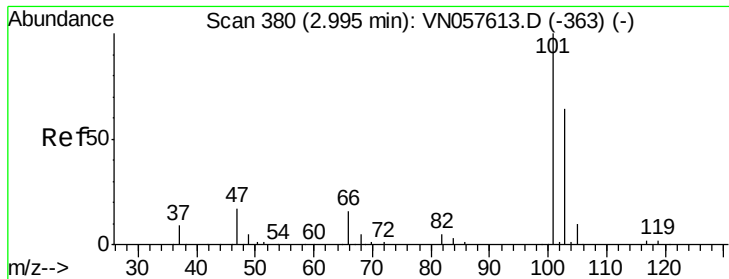
66 30.4 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

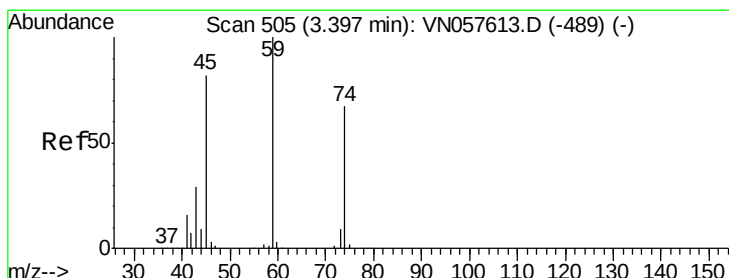
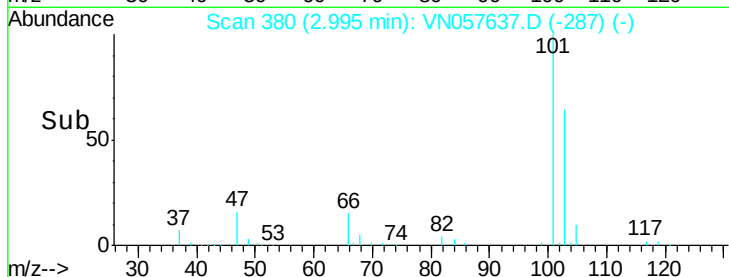
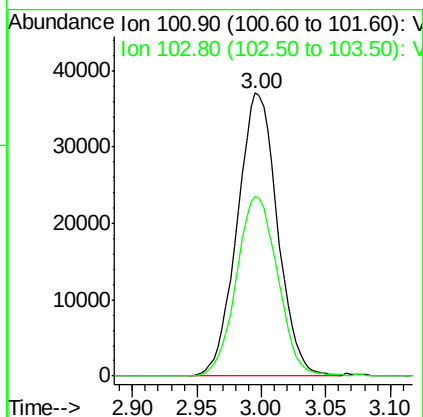
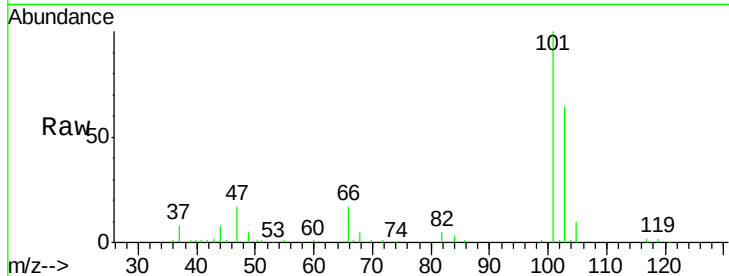
Trichlorofluoromethane
Concen: 21.363 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
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ClientSampleId :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.3	76.9

Manual Integrations
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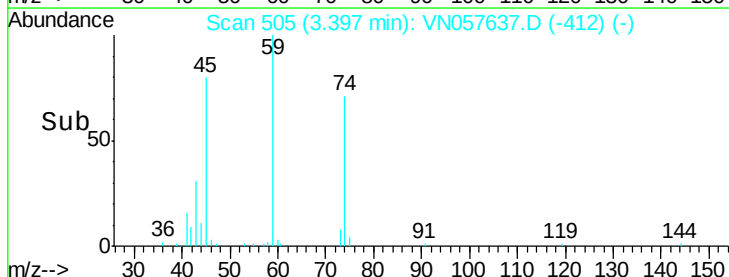
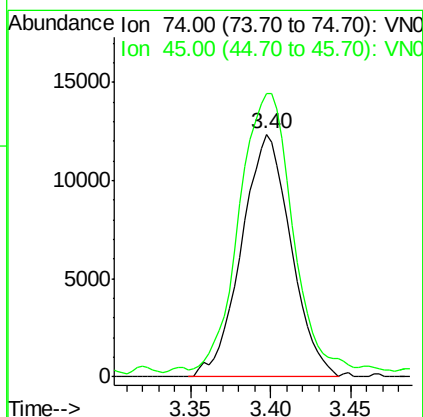
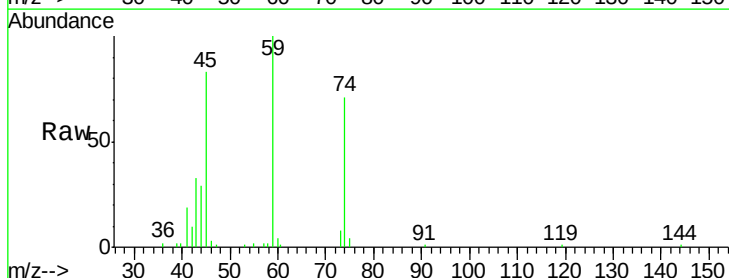
MMDadoda
9/3/2019 11:02:50 AM

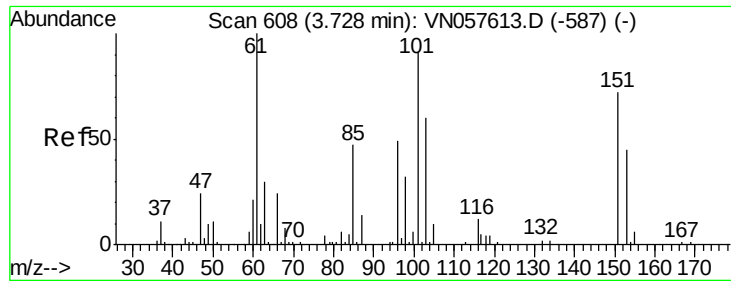


#8

Diethyl Ether
Concen: 20.901 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.6	61.9	185.7





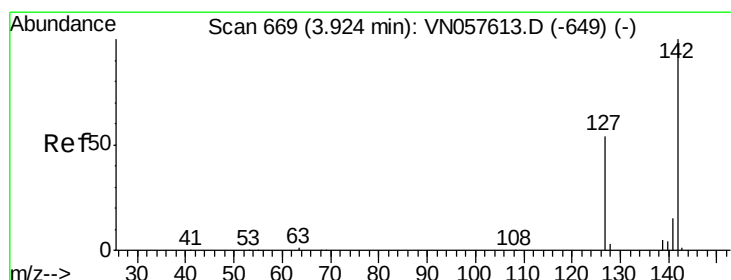
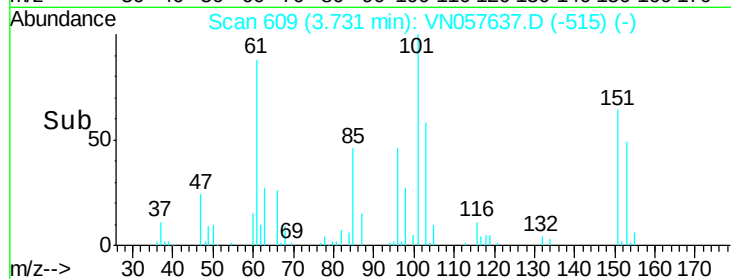
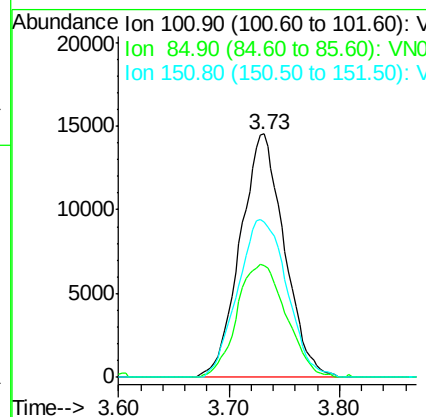
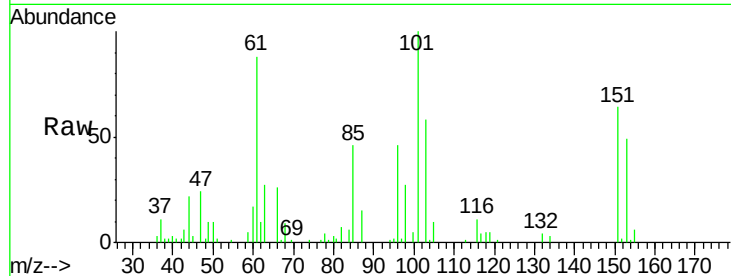
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.971 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	40156		
85	52.0	42.1	63.1	
151	72.6	60.2	90.4	

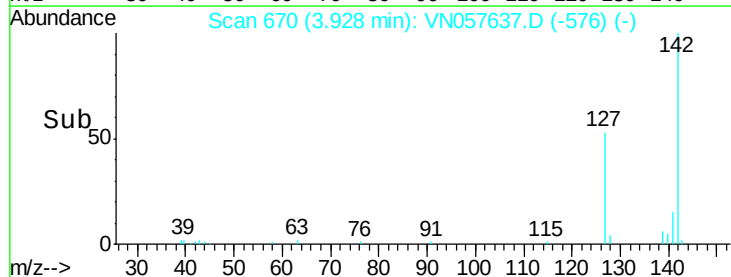
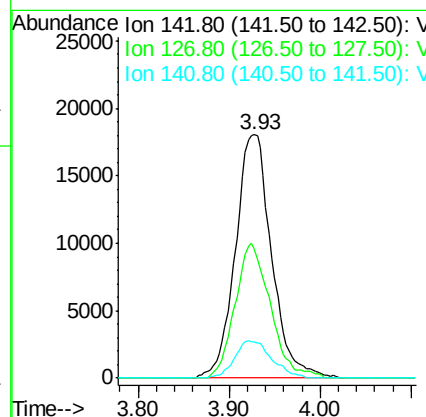
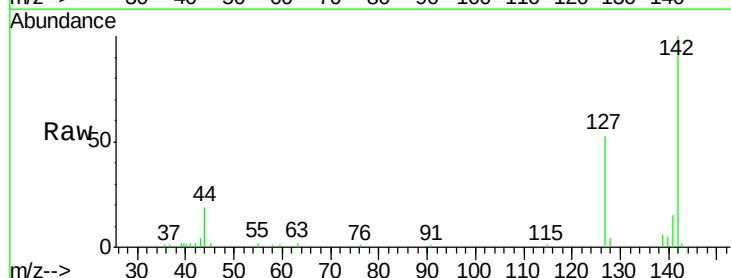
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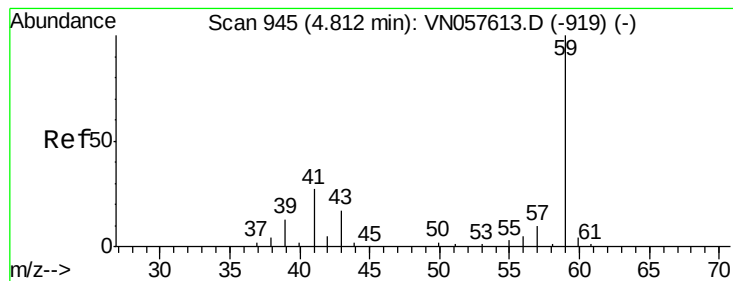
MMDadoda
 9/3/2019 11:02:50 AM



#10
 Methyl Iodide
 Concen: 20.177 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	49883		
127	54.0	43.0	64.6	
141	15.7	11.4	17.2	





#11

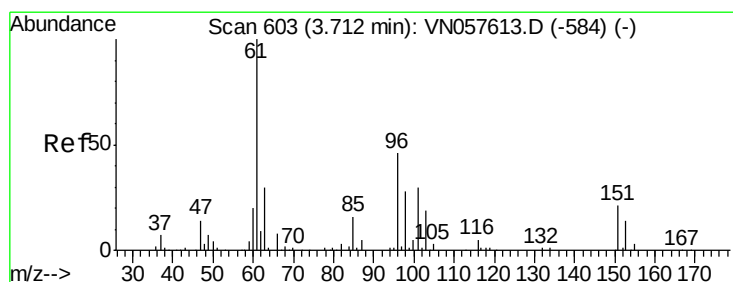
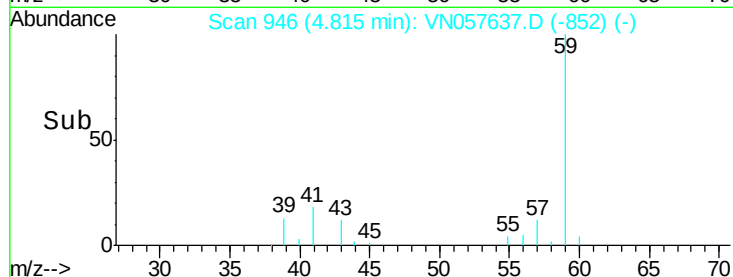
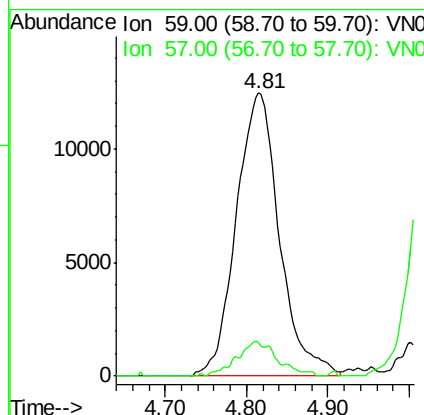
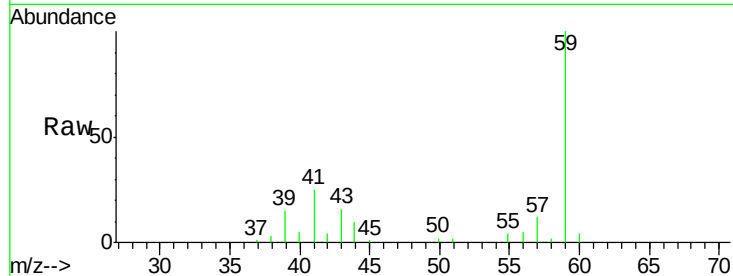
Tert butyl alcohol
Concen: 103.313 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	45615		
57	10.2		5.0	7.6#

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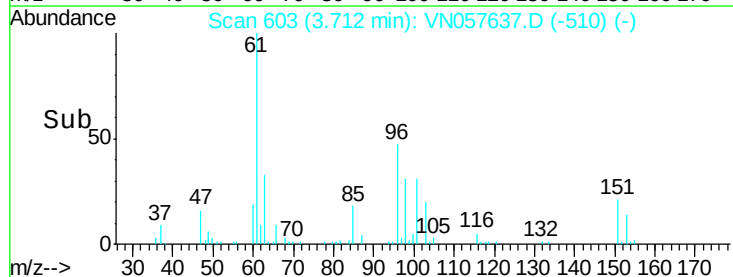
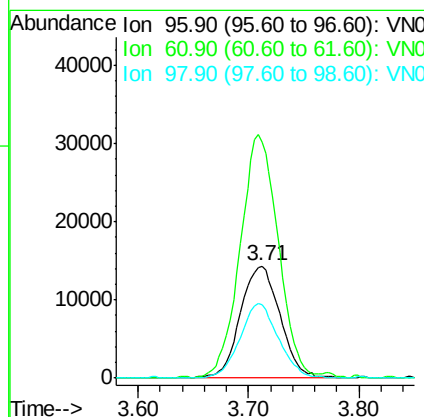
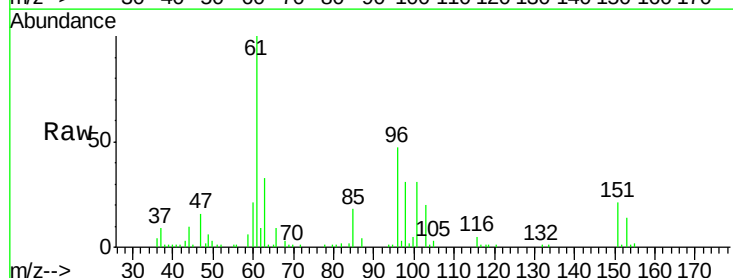
MMDadoda
9/3/2019 11:02:50 AM

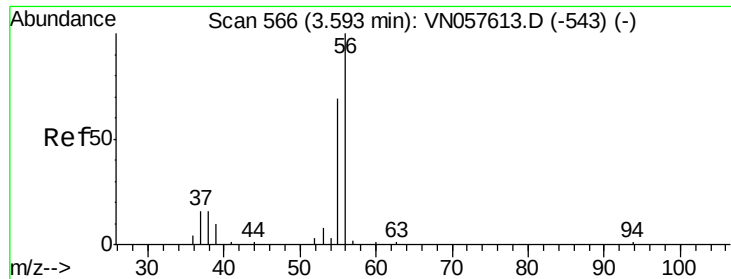


#12

1,1-Dichloroethene
Concen: 20.605 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	35766		
61	210.6		172.1	258.1
98	65.7		48.3	72.5





#13

Acrolein

Concen: 94.992 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBS01

Tot Ion: 56 Resp: 16676

Ion Ratio Lower Upper

56 100

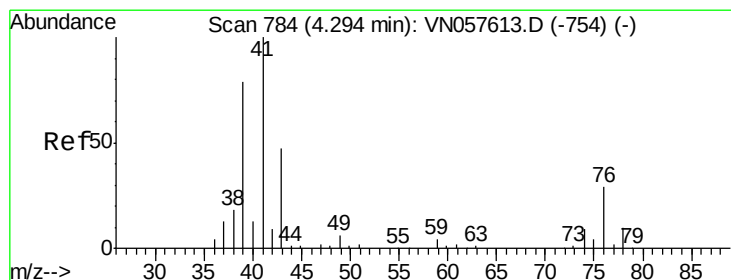
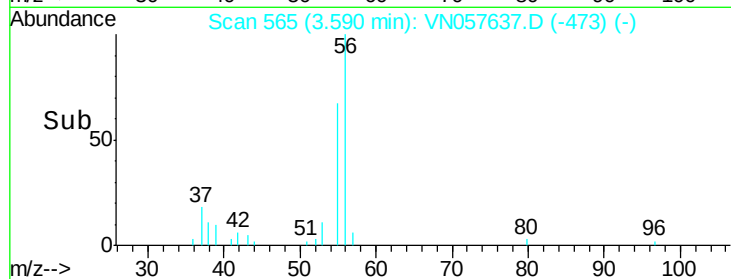
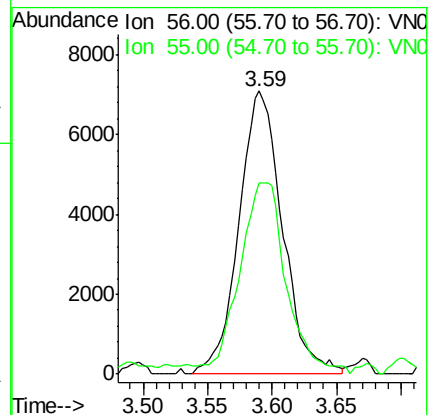
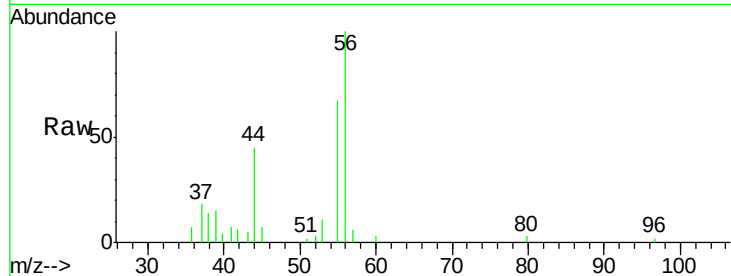
55 72.8 56.5 84.7

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#14

Allyl chloride

Concen: 19.760 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

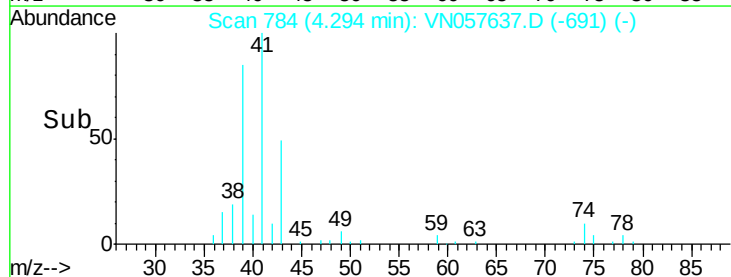
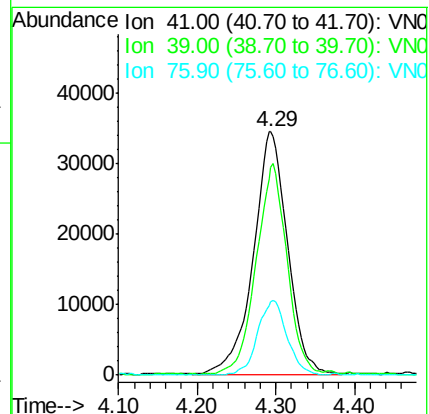
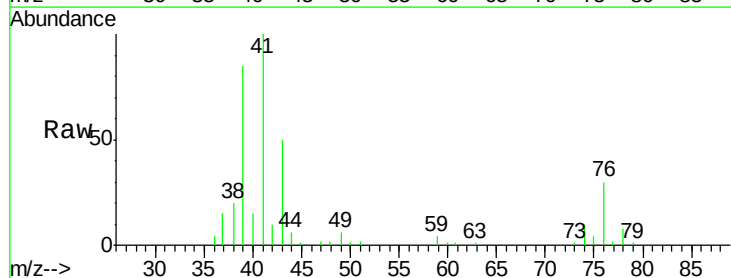
Tgt Ion: 41 Resp: 107004

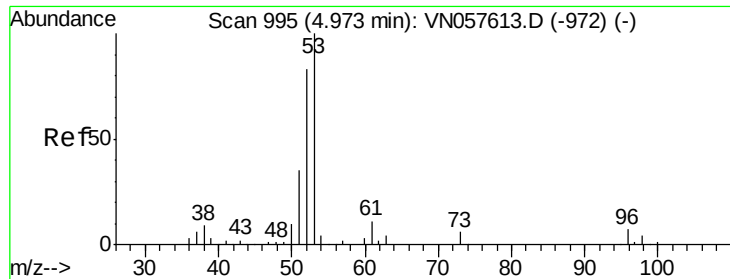
Ion Ratio Lower Upper

41 100

39 78.6 60.9 91.3

76 26.3 21.1 31.7





#15

Acrylonitrile

Concen: 105.754 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

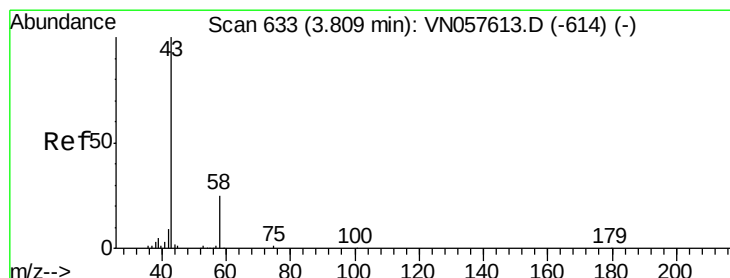
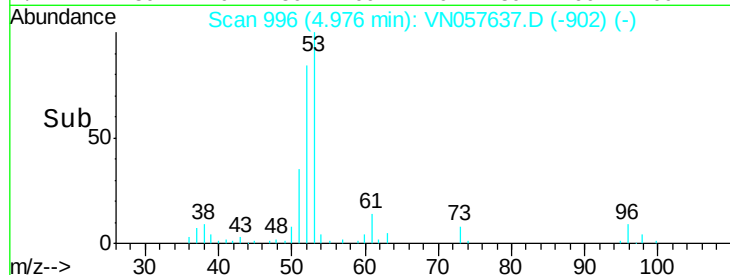
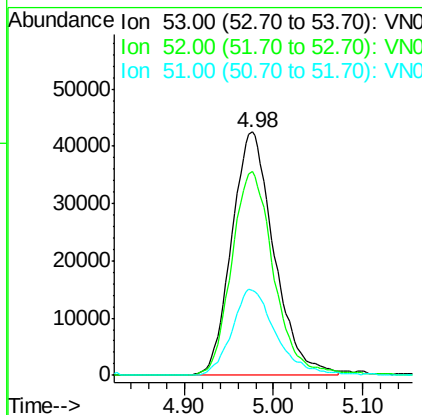
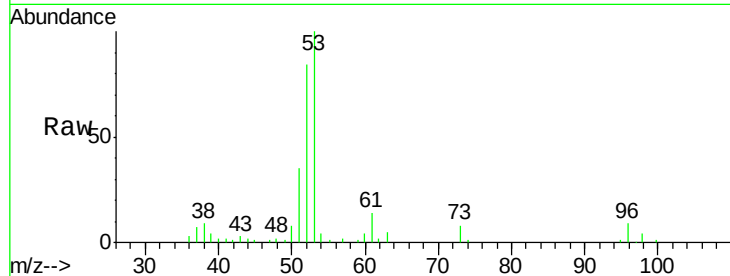
ClientSampled :

VN0902MBS01

Tot Ion:	53	Resp:	140110
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.1	100.7
51	36.3	30.2	45.4

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#16

Acetone

Concen: 102.063 ug/l

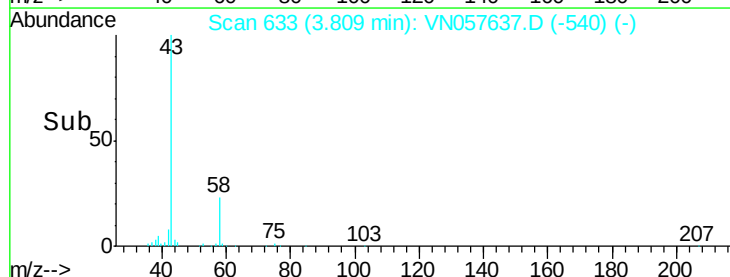
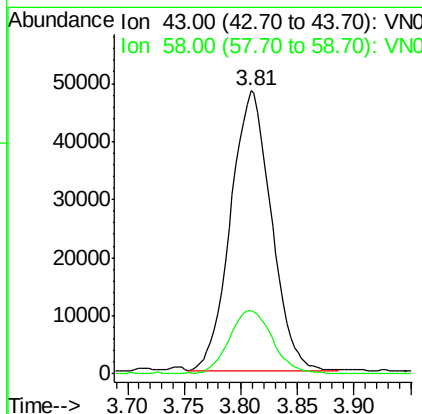
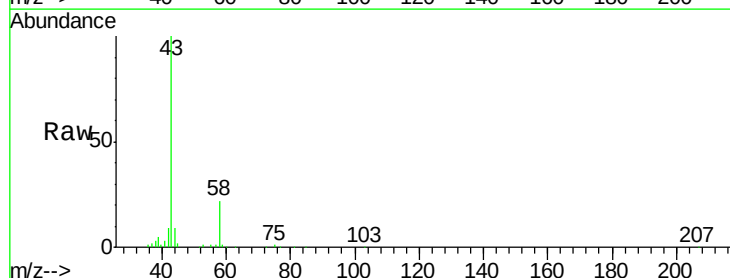
RT: 3.81 min Scan# 633

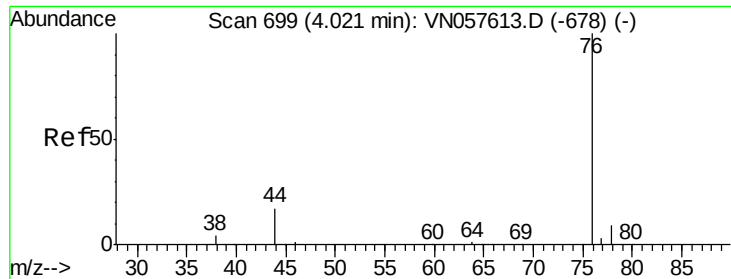
Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Tgt Ion:	43	Resp:	120410
Ion	Ratio	Lower	Upper
43	100		
58	22.5	20.0	30.0





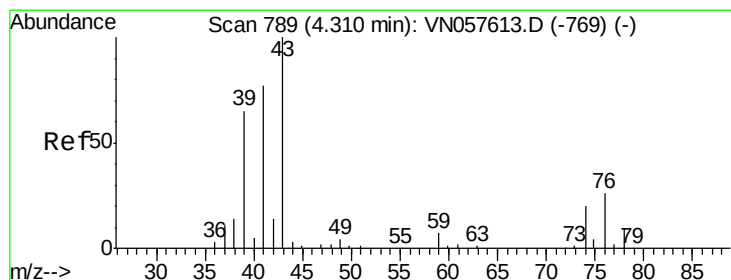
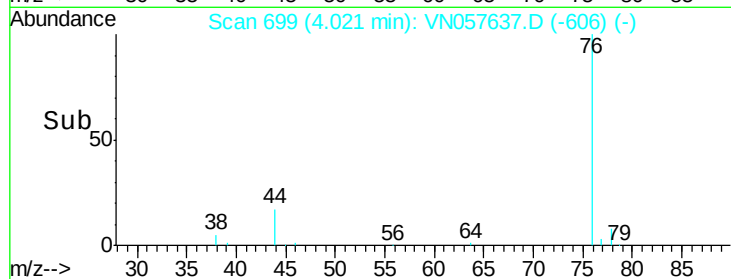
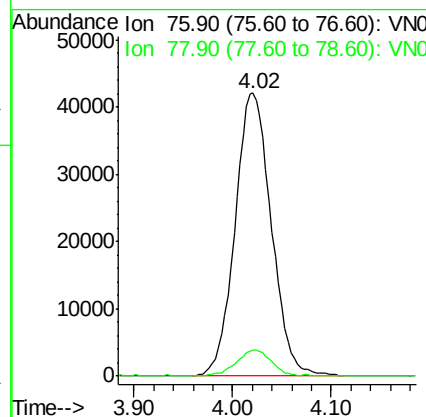
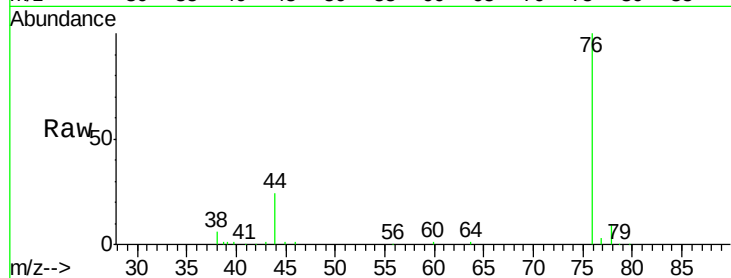
#17
Carbon Disulfide
Concen: 19.154 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion: 76 Resp: 107483
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

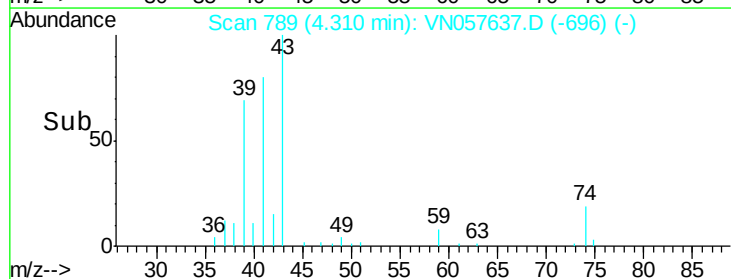
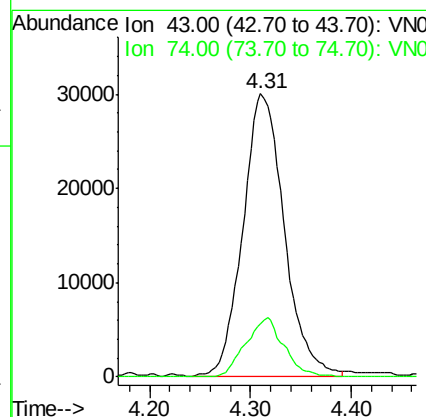
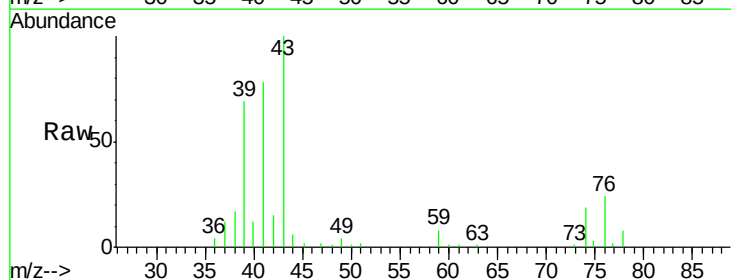
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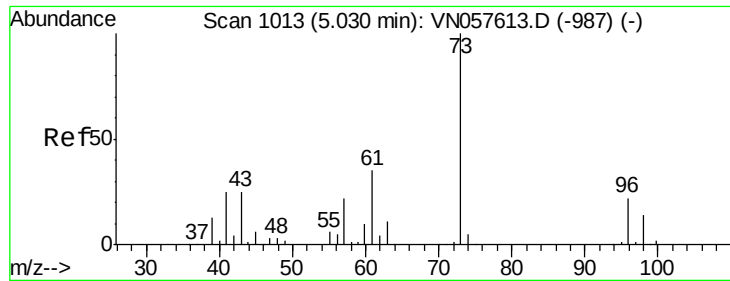
MMDadoda
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#18
Methyl Acetate
Concen: 21.189 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion: 43 Resp: 85832
Ion Ratio Lower Upper
43 100
74 19.0 15.7 23.5





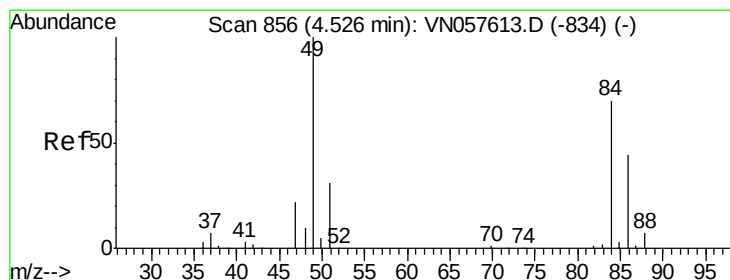
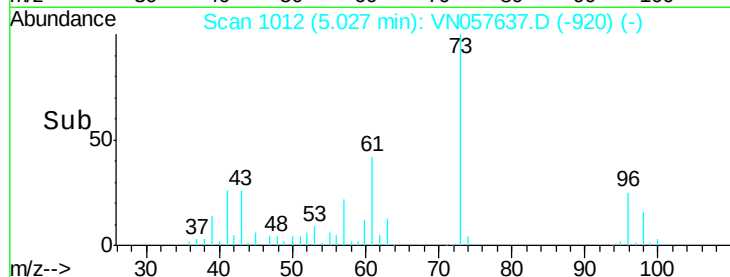
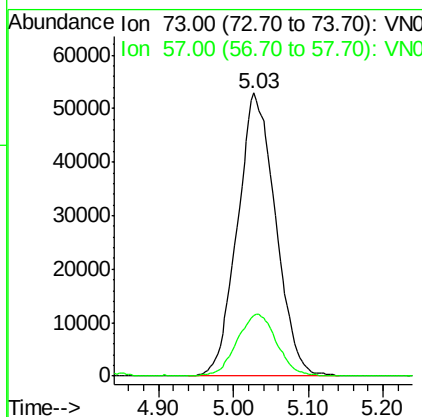
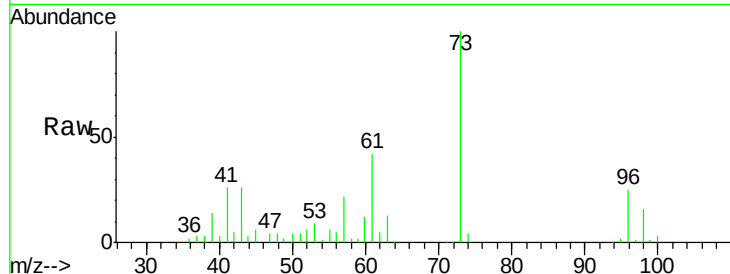
#19
Methyl tert-butyl Ether
Concen: 20.905 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion: 73 Resp: 187732
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

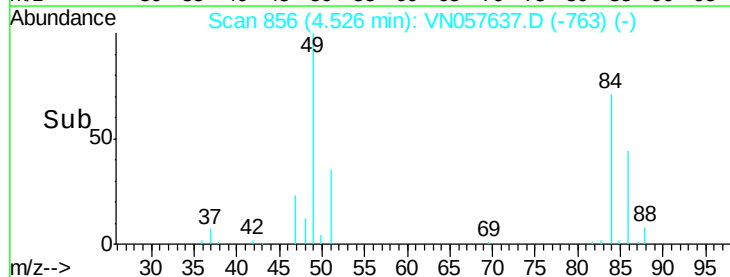
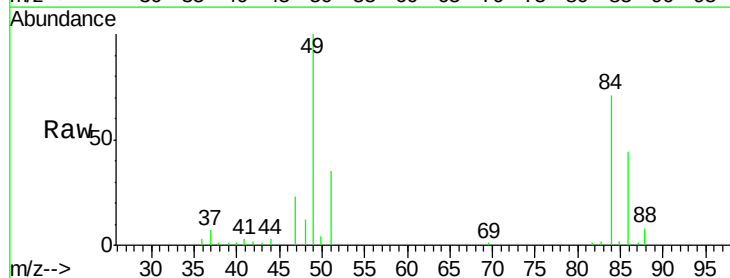
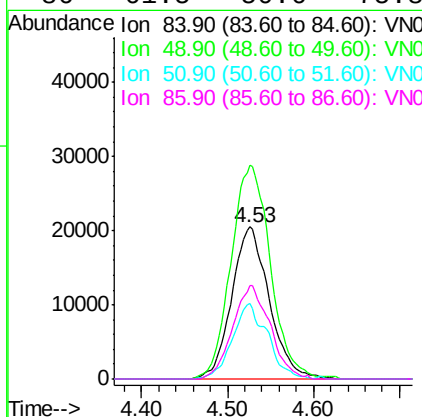
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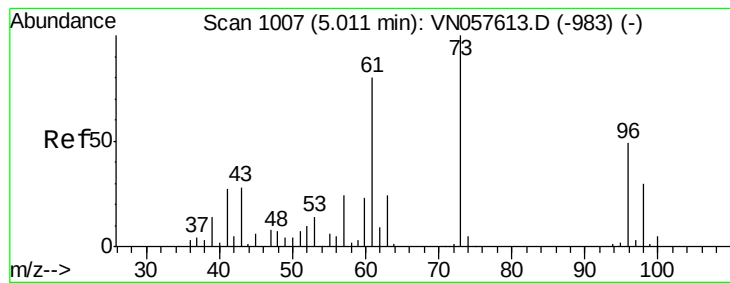
MMDadoda
9/3/2019 11:02:50 AM



#20
Methylene Chloride
Concen: 21.347 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion: 84 Resp: 62349
Ion Ratio Lower Upper
84 100
49 140.4 113.8 170.6
51 49.3 35.0 52.6
86 61.5 50.6 75.8





#21

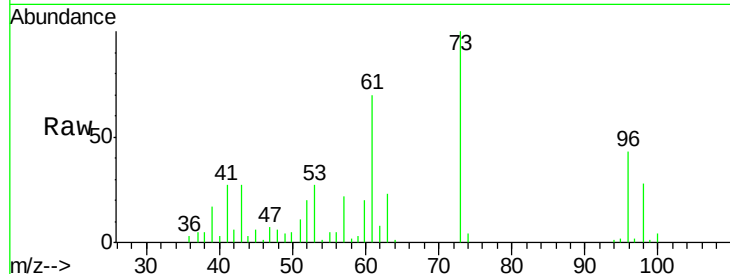
trans-1,2-Dichloroethene
Concen: 21.104 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

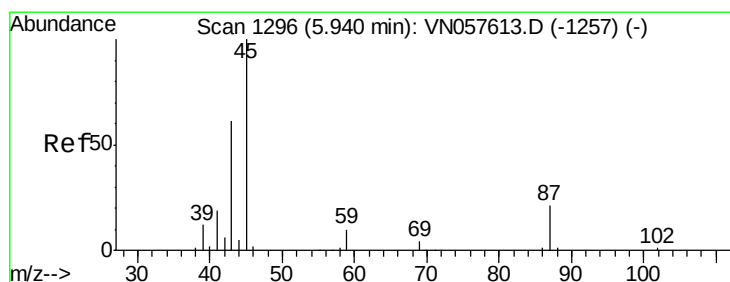
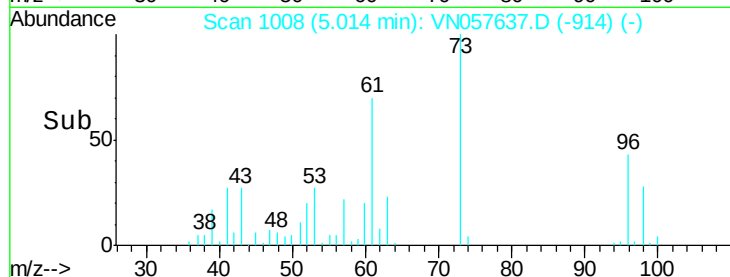
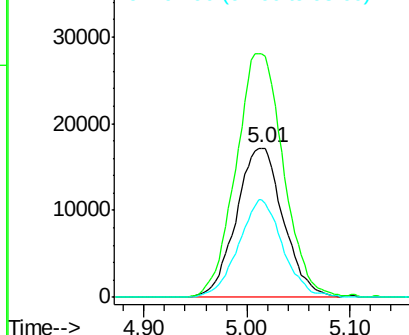
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	131.6	197.4
98	65.7	49.9	74.9

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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

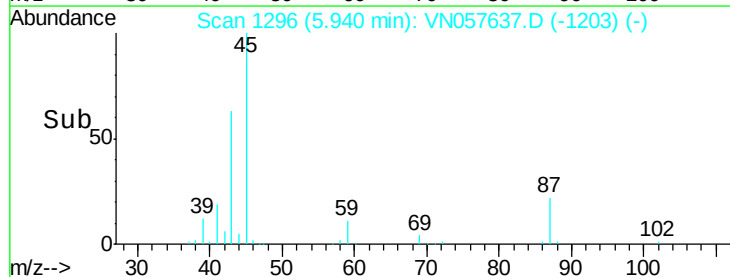
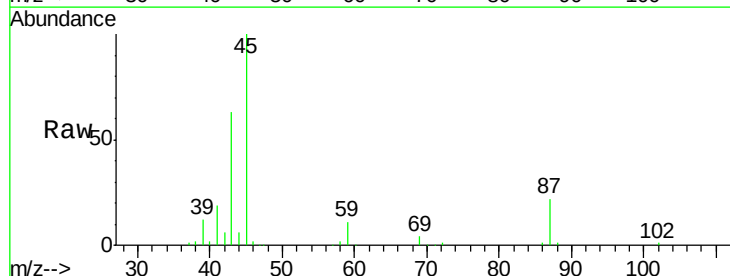
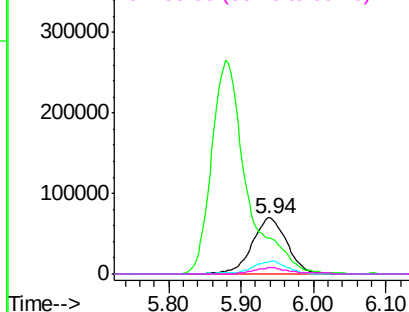


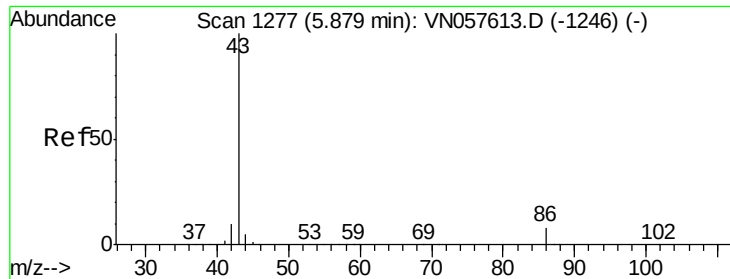
#22

Diisopropyl ether
Concen: 20.925 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	49.1	73.7
87	21.8	17.0	25.6
59	10.8	8.2	12.2

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 103.762 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 43 Resp: 887696

Ion Ratio Lower Upper

43 100

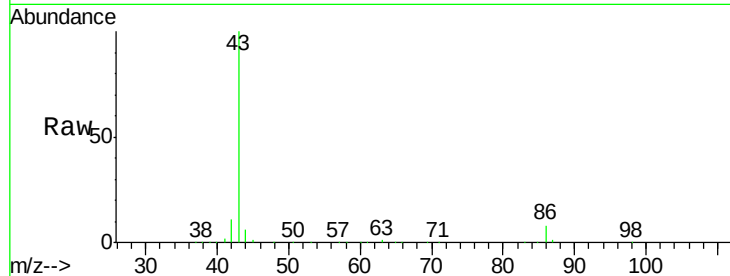
86 7.7 6.1 9.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

250000

200000

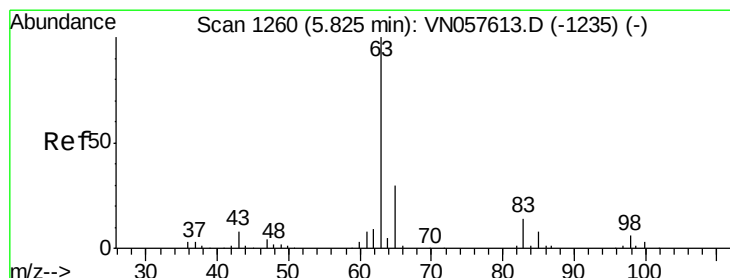
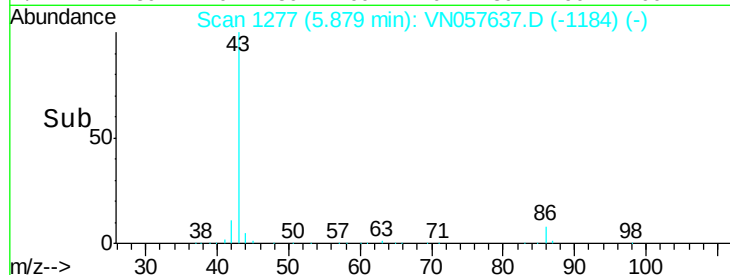
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.195 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

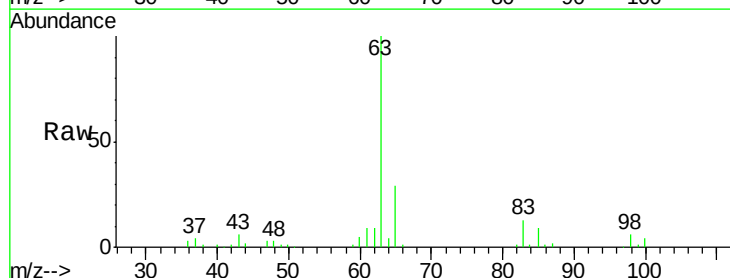
Tgt Ion: 63 Resp: 118433

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 4.0 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

50000

40000

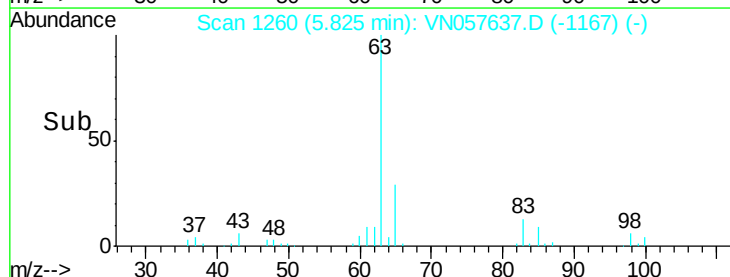
30000

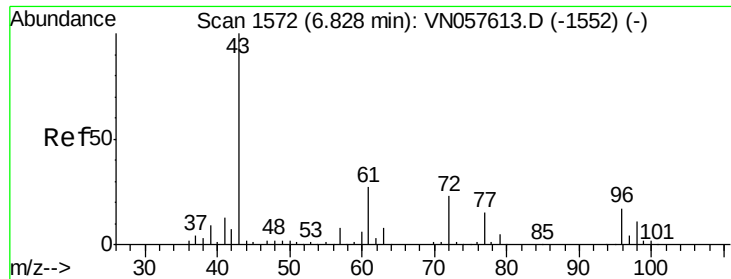
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.719 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 43 Resp: 207828

Ion Ratio Lower Upper

43 100

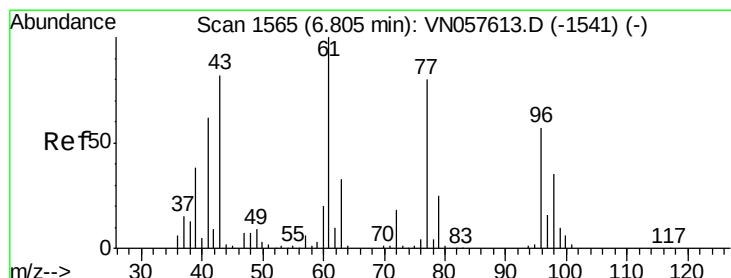
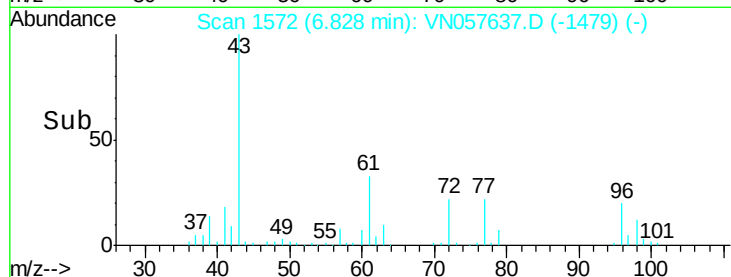
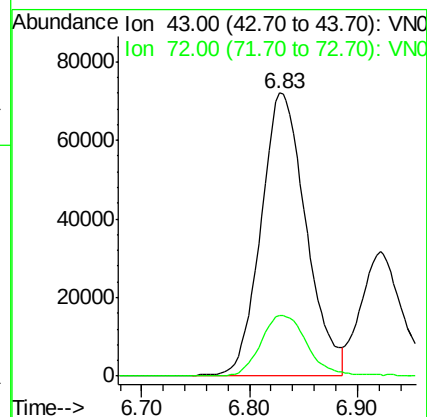
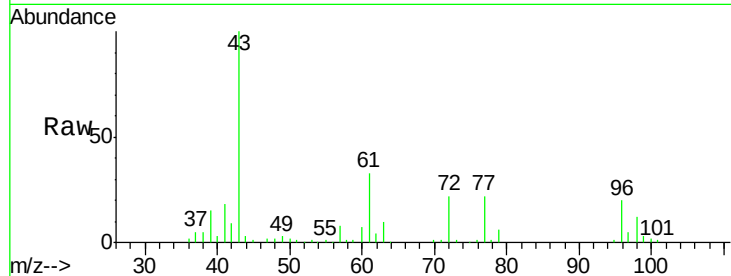
72 21.6 18.2 27.4

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.067 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057637.D

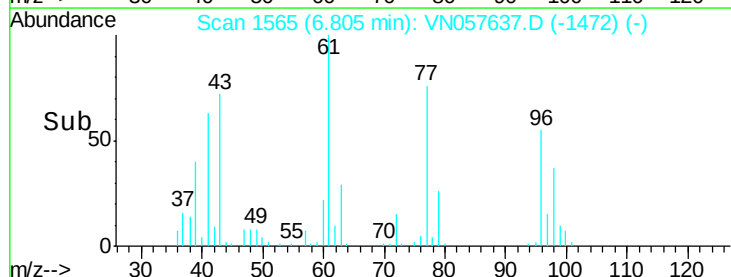
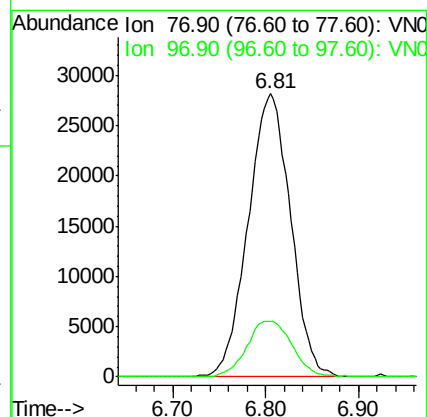
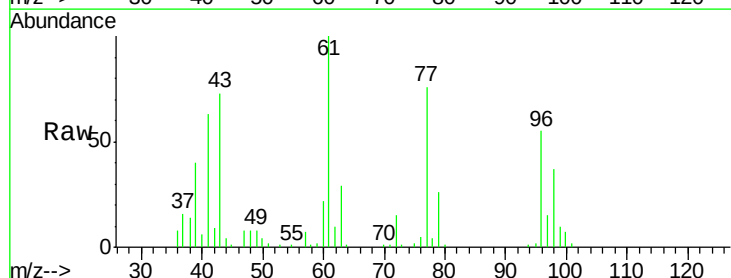
Acq: 1 Sep 2019 12:15

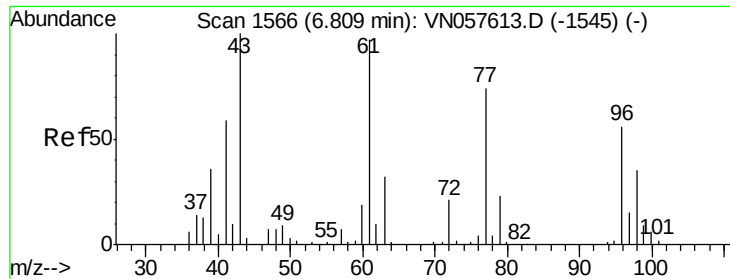
Tgt Ion: 77 Resp: 89628

Ion Ratio Lower Upper

77 100

97 21.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.521 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

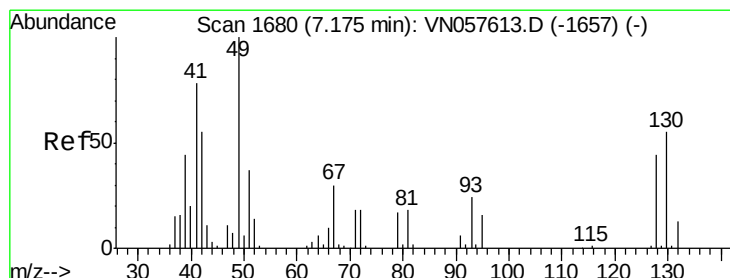
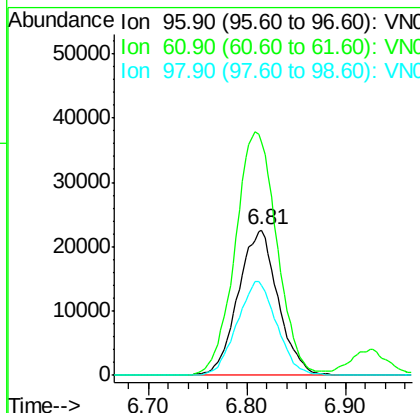
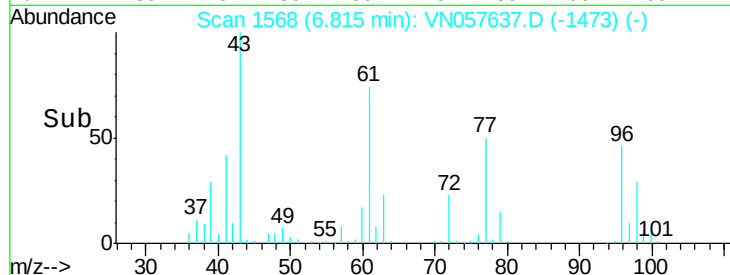
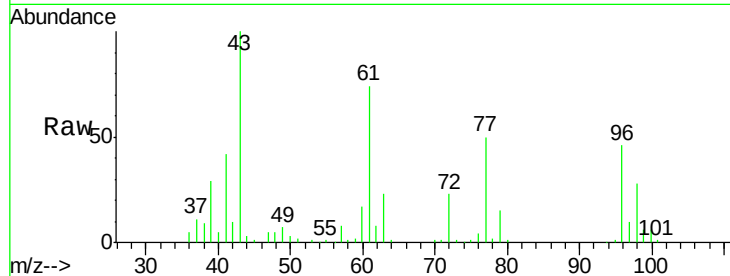
ClientSampled :

VN0902MBS01

Tot Ion:	96	Resp:	63237
Ion	Ratio	Lower	Upper
96	100		
61	174.8	0.0	344.6
98	64.2	0.0	124.8

Manual Integrations
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#28

Bromochloromethane

Concen: 22.071 ug/l

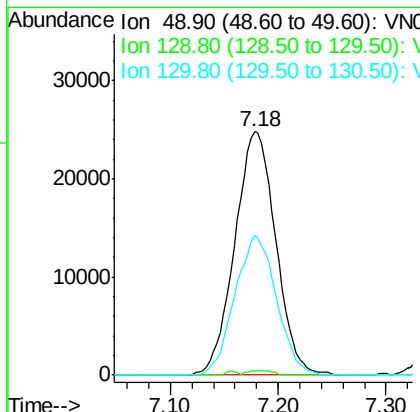
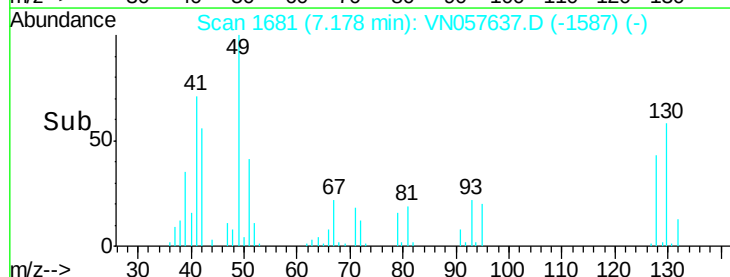
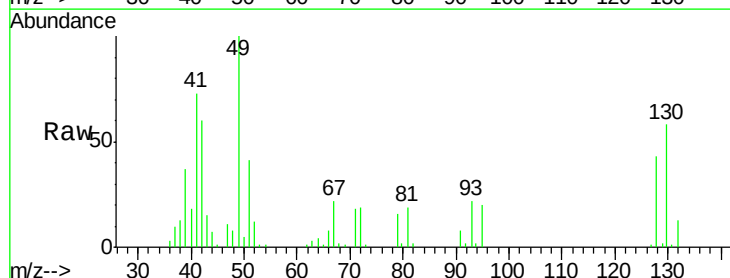
RT: 7.18 min Scan# 1681

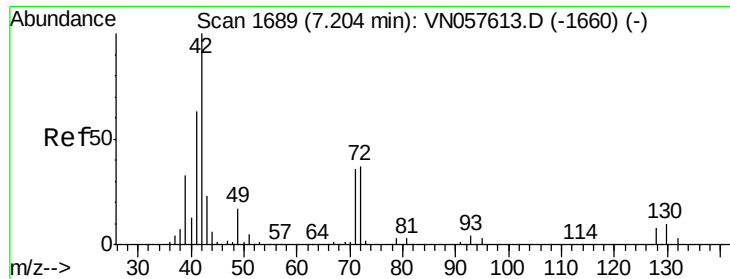
Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Tgt Ion:	49	Resp:	65677
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.8
130	58.0	45.8	68.8





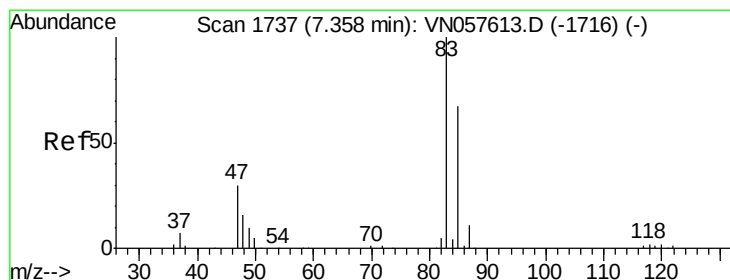
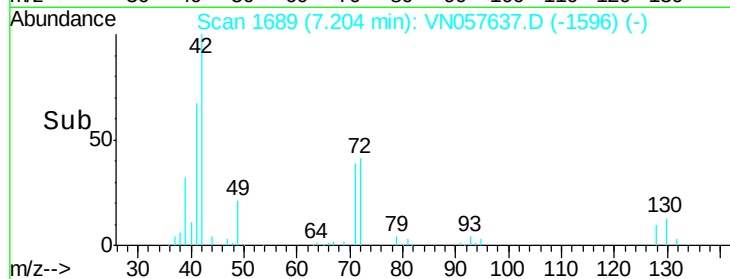
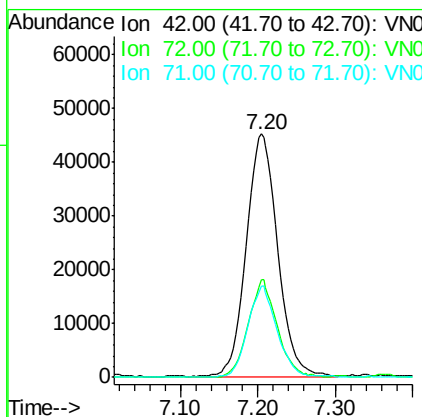
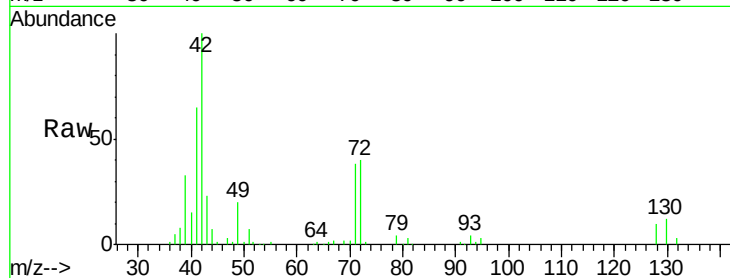
#29
Tetrahydrofuran
Concen: 105.232 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	29.6	44.4
71	34.7	27.9	41.9

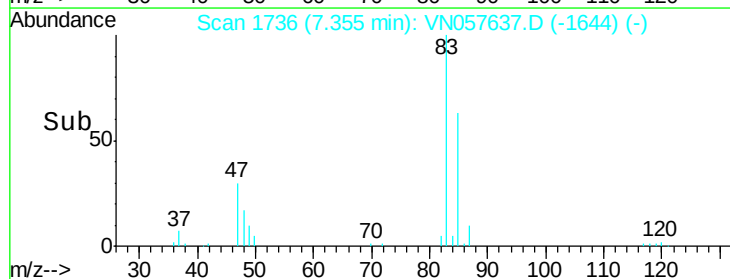
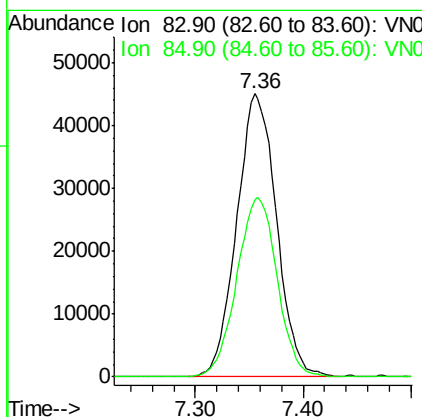
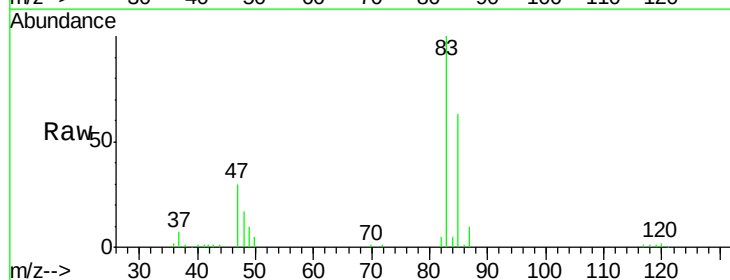
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APPROVED

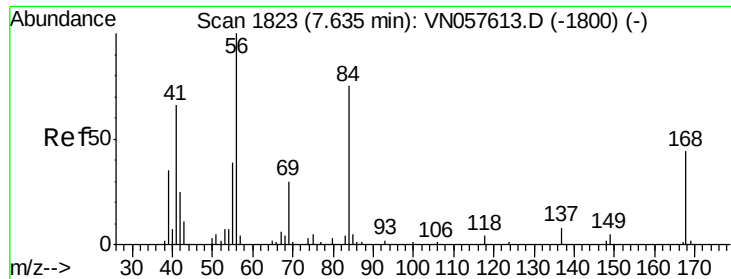
MMDadoda
9/3/2019 11:02:50 AM



#30
Chloroform
Concen: 20.409 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.2	79.8





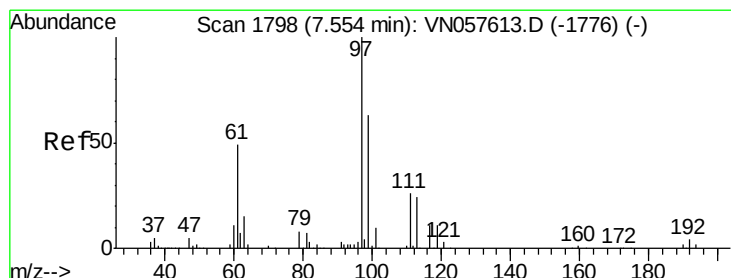
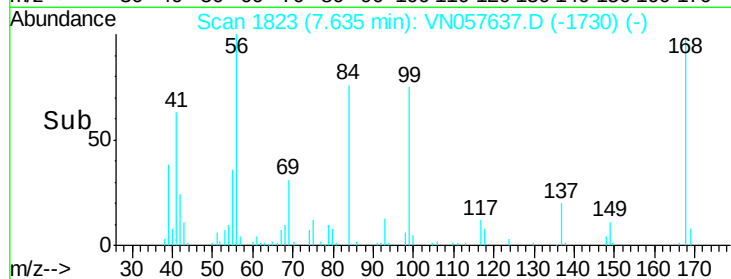
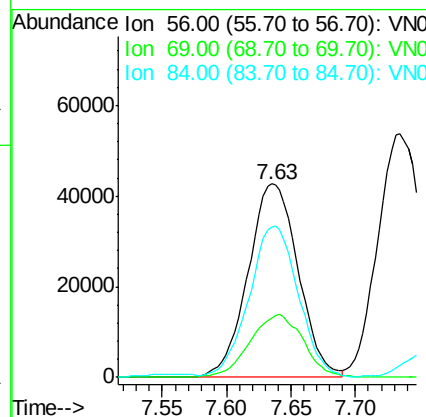
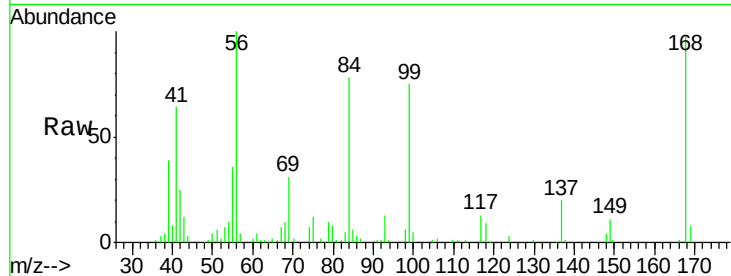
#31
Cyclohexane
Concen: 20.750 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	76.7	59.9	89.9

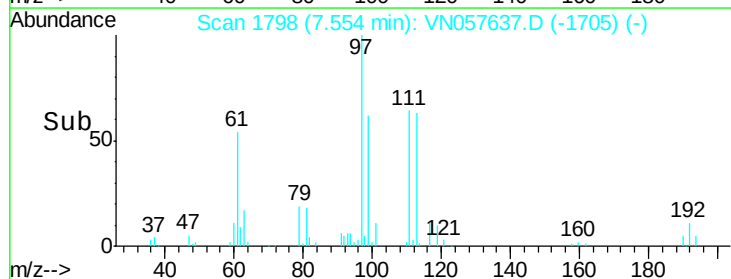
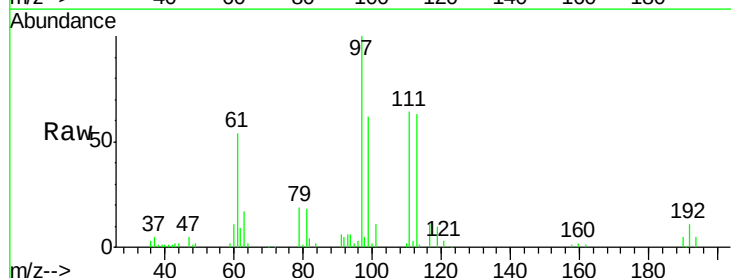
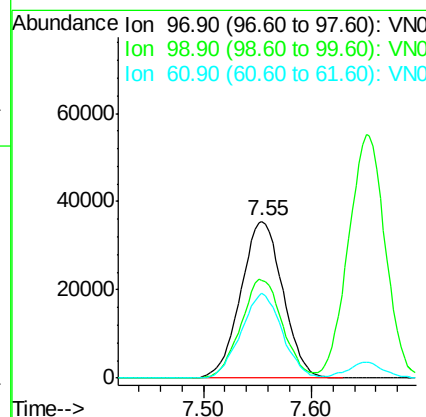
Manual Integrations
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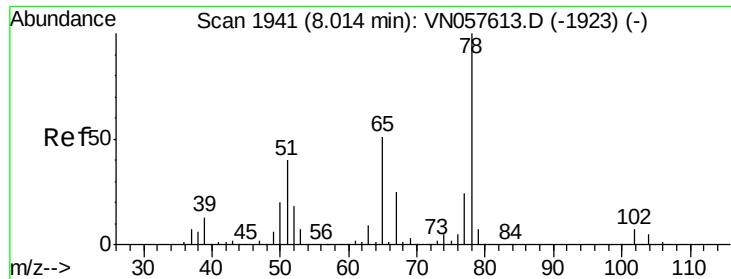
MMDadoda
9/3/2019 11:02:50 AM



#32
1,1,1-Trichloroethane
Concen: 20.684 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	50.6	75.8
61	52.9	41.1	61.7





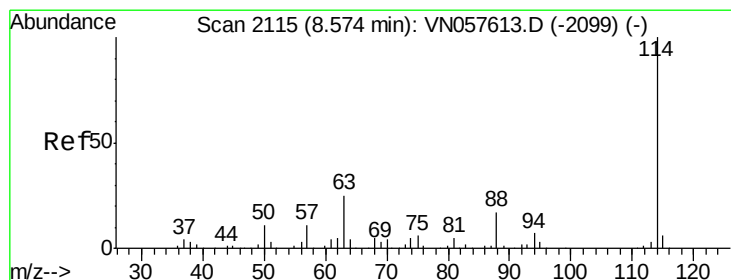
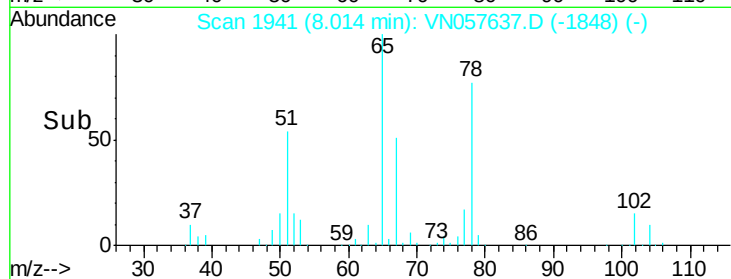
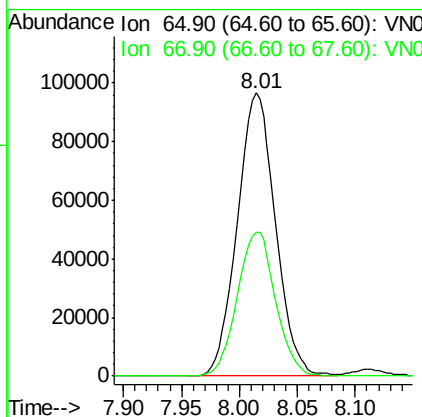
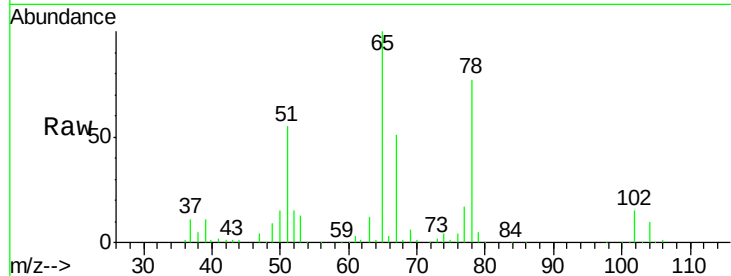
#33
 1,2-Dichloroethane-d4
 Concen: 52.519 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	221084		
67	50.9	0.0	102.2	

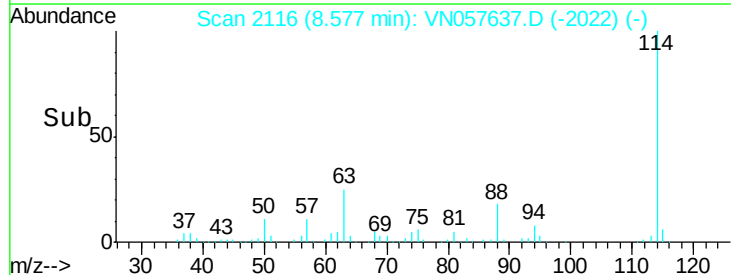
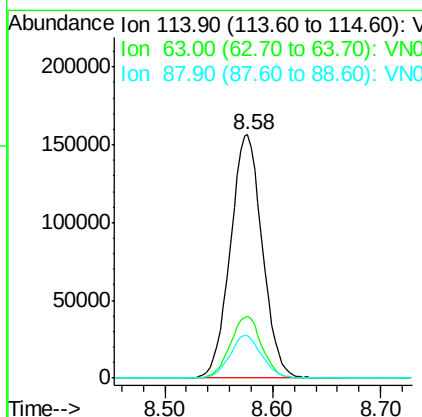
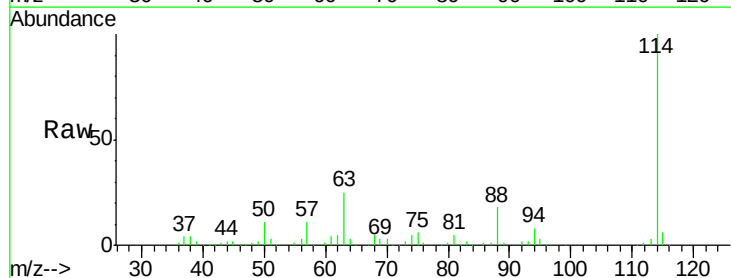
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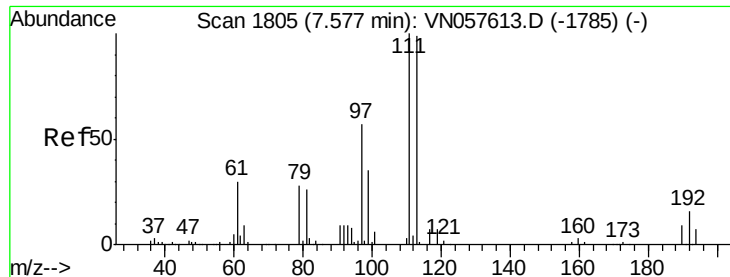
MMDadoda
 9/3/2019 11:02:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	322386		
63	25.3	0.0	49.0	
88	17.6	0.0	33.0	





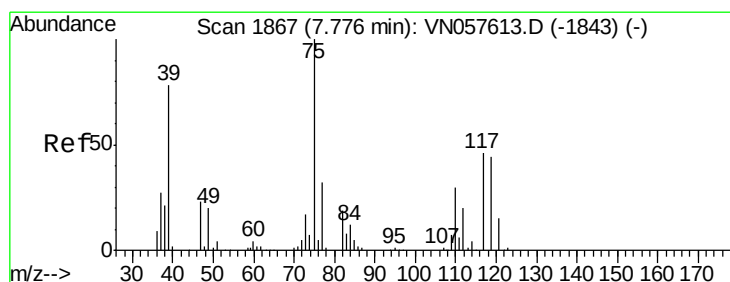
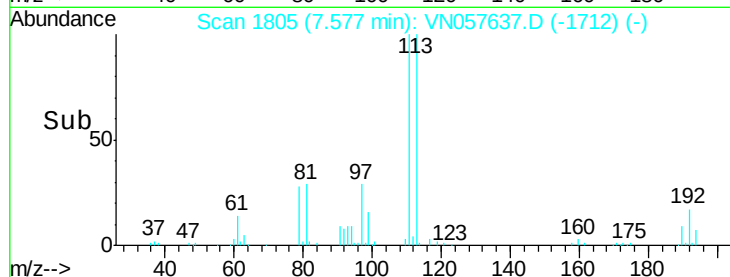
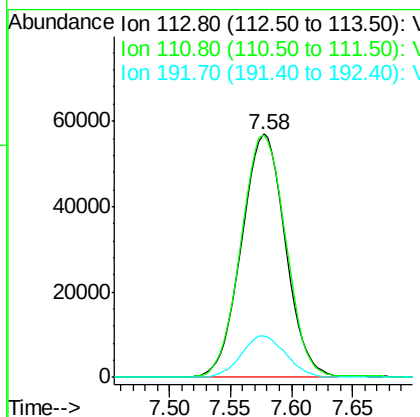
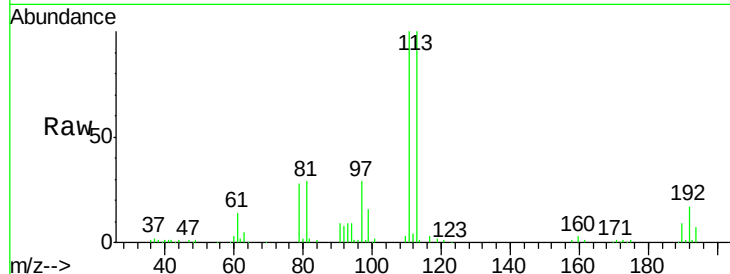
#35
 Dibromofluoromethane
 Concen: 50.385 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	141852		
111	102.0	81.3	121.9	
192	17.4	13.5	20.3	

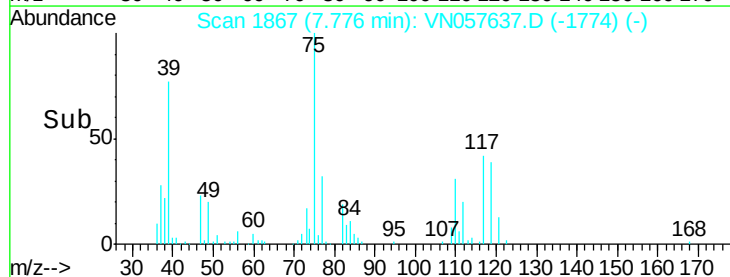
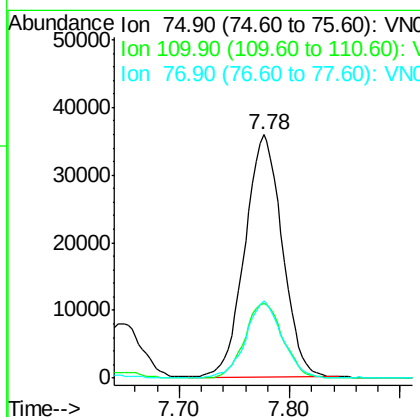
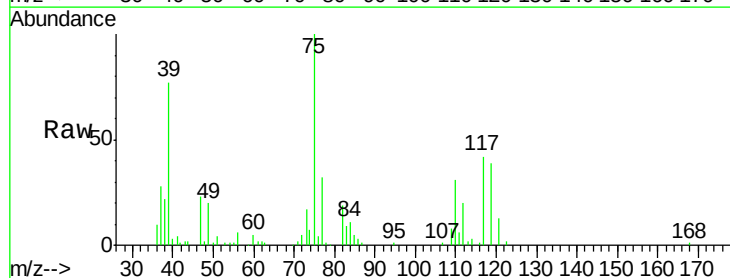
Manual Integrations
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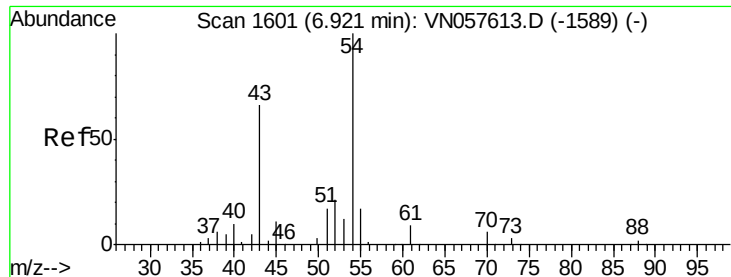
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.678 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84105		
110	31.5	15.6	46.8	
77	31.0	24.9	37.3	





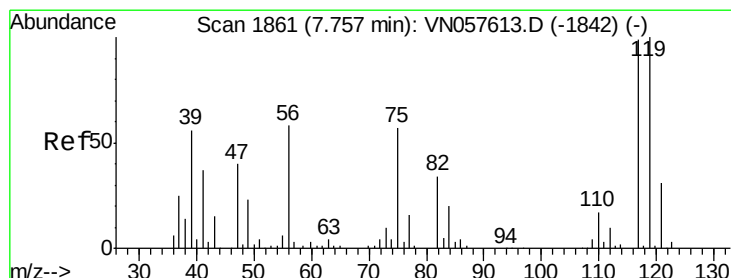
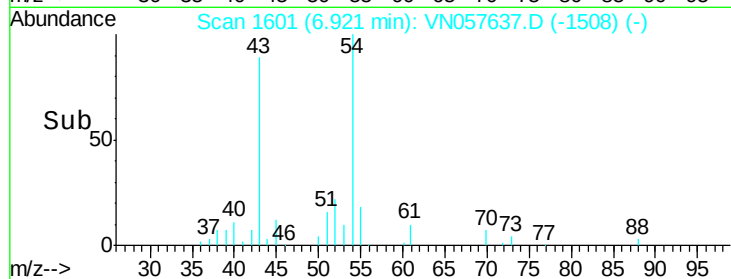
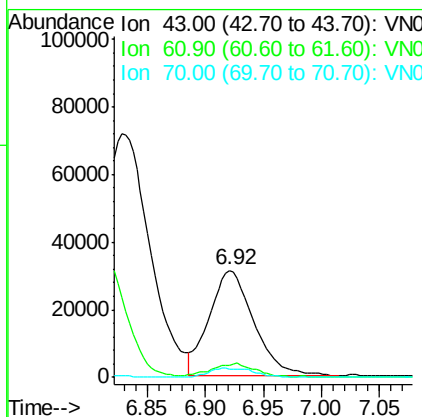
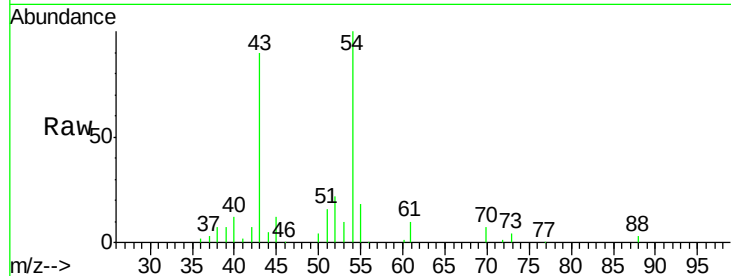
#37
Ethyl Acetate
Concen: 20.510 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.1	15.1
70	5.5	6.8	10.2

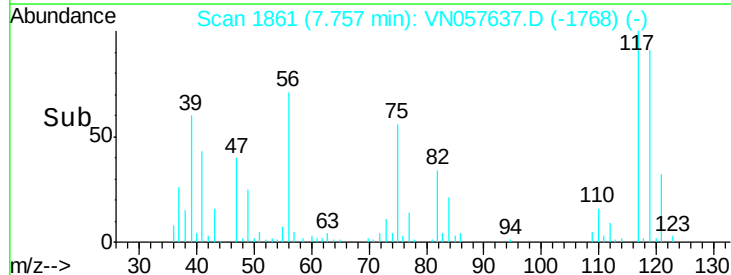
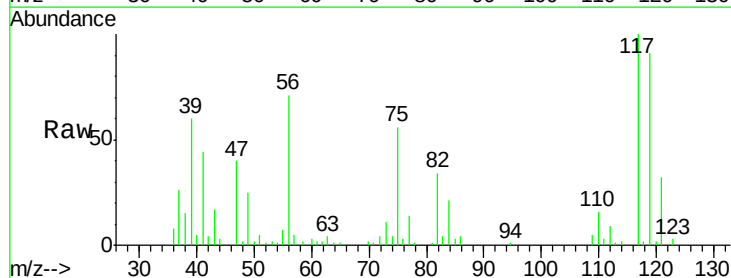
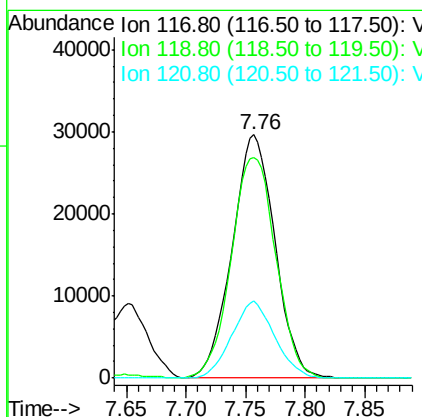
Manual Integrations
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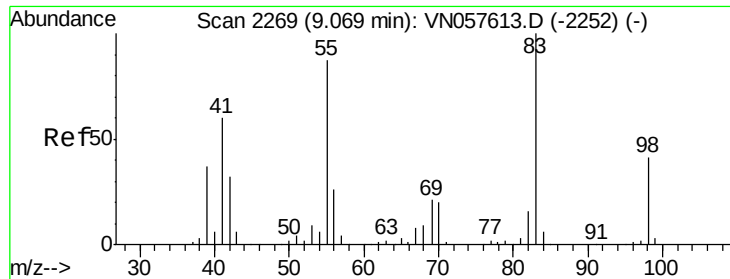
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.336 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.8	80.6	120.8
121	31.5	25.1	37.7





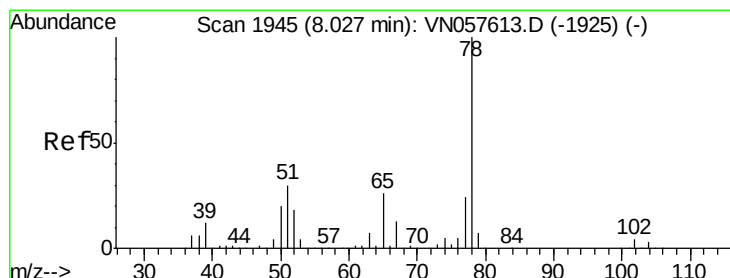
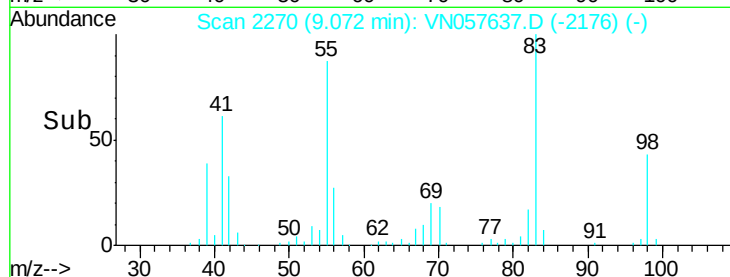
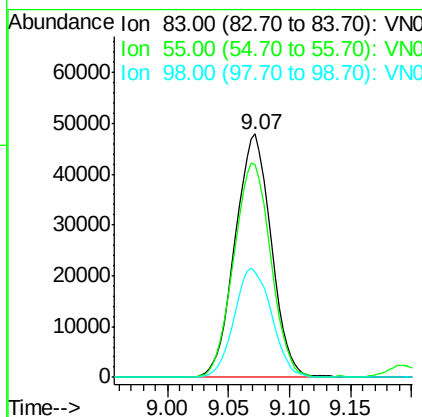
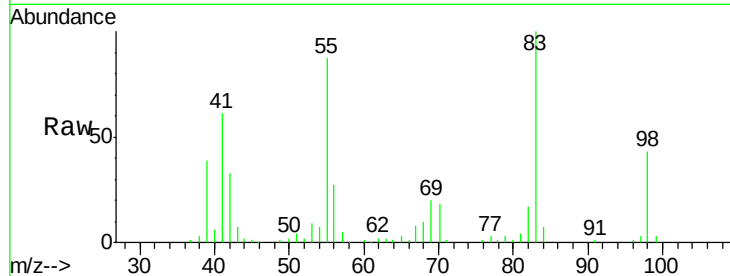
#39
Methylvlcyclohexane
Concen: 19.464 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion	83	Resp	98292
Ion Ratio	Lower	Upper	
83	100		
55	87.5	69.8	104.8
98	43.4	32.7	49.1

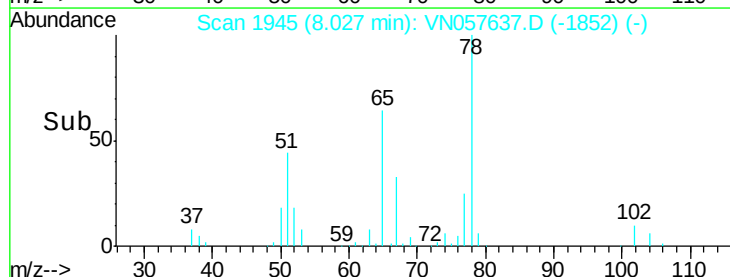
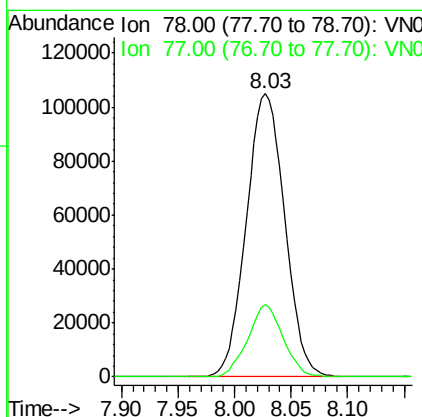
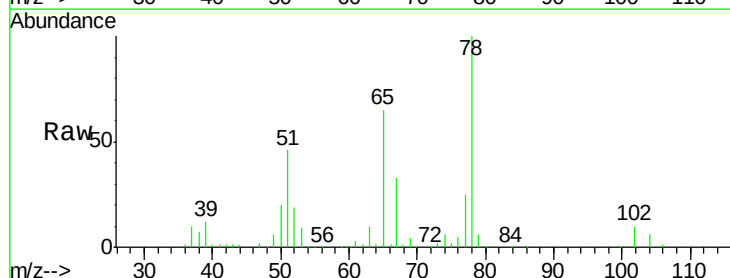
Manual Integrations
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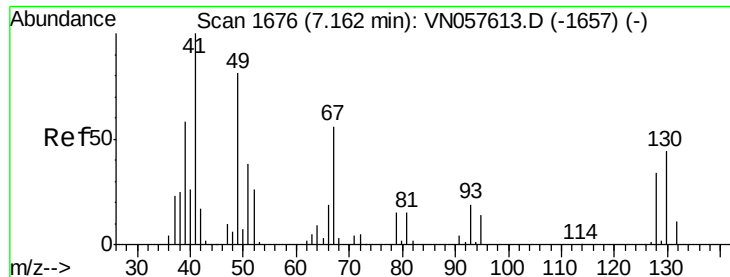
MMDadoda
9/3/2019 11:02:50 AM



#40
Benzene
Concen: 19.933 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	78	Resp	248006
Ion Ratio	Lower	Upper	
78	100		
77	25.4	19.1	28.7





#41

Methacrylonitrile

Concen: 20.817 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 41 Resp: 44323

Ion Ratio Lower Upper

41 100

39 56.6 50.6 75.8

67 63.6 56.9 85.3

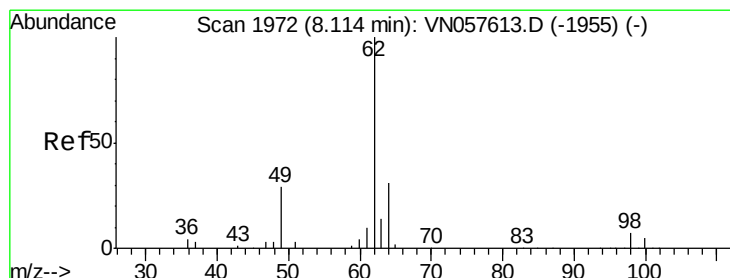
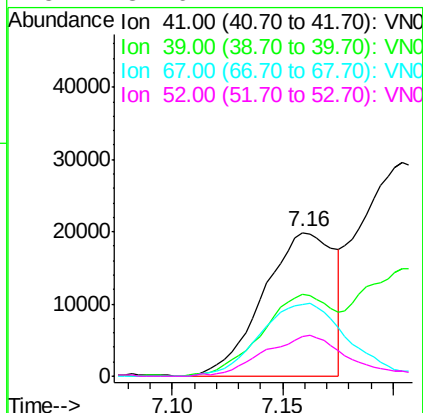
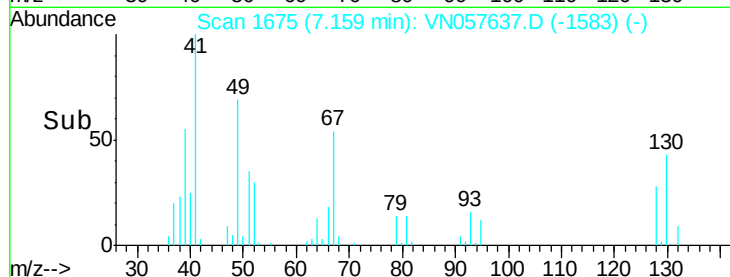
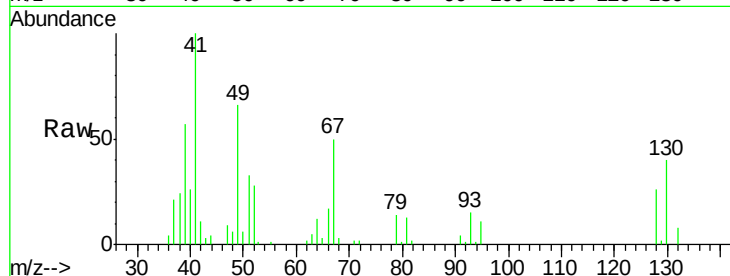
52 34.6 27.4 41.2

Manual Integrations

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MMDadoda

9/3/2019 11:02:50 AM



#42

1,2-Dichloroethane

Concen: 20.421 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057637.D

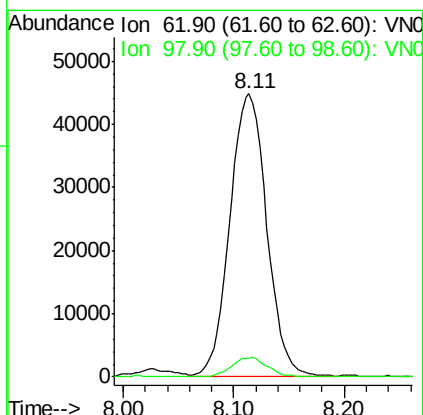
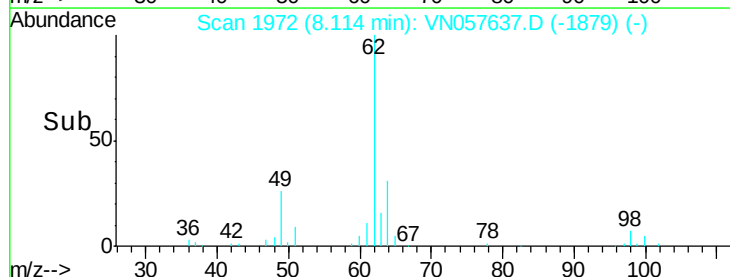
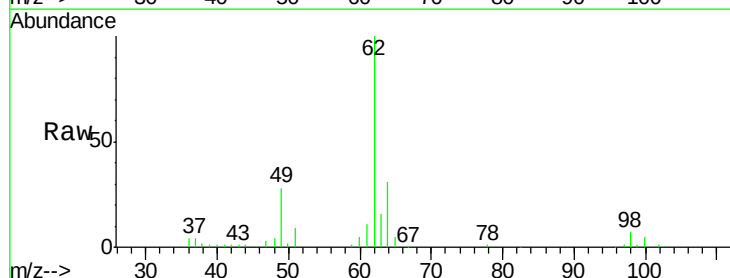
Acq: 1 Sep 2019 12:15

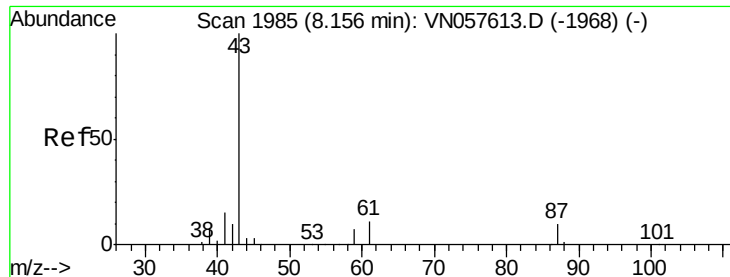
Tgt Ion: 62 Resp: 103195

Ion Ratio Lower Upper

62 100

98 6.6 0.0 14.0





#43

Isopropyl Acetate

Concen: 19.868 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

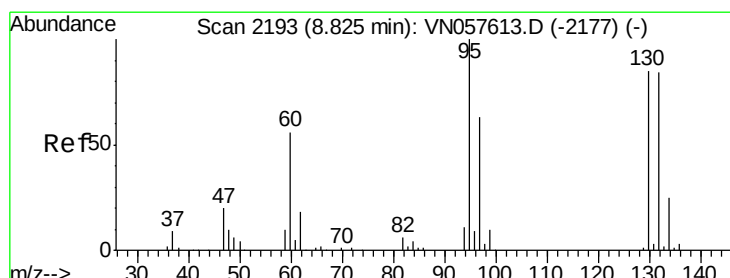
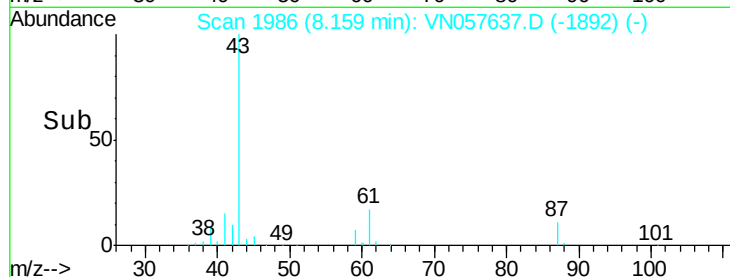
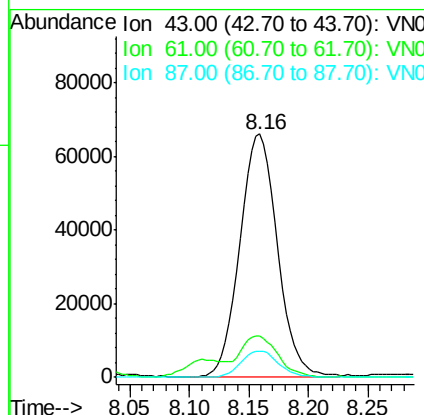
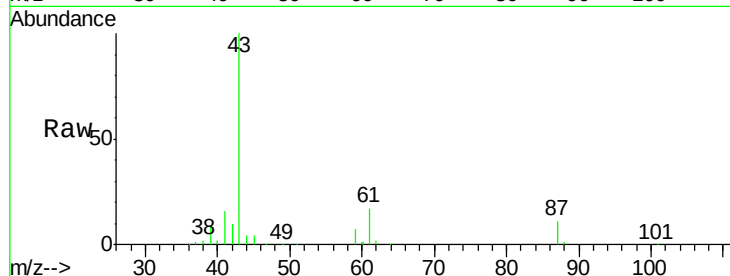
ClientSampleId :

VN0902MBS01

Tot Ion:	43	Resp:	145536
Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.1	19.7
87	10.6	8.1	12.1

Manual Integrations
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MMDadoda
9/3/2019 11:02:50 AM



#44

Trichloroethene

Concen: 19.759 ug/l

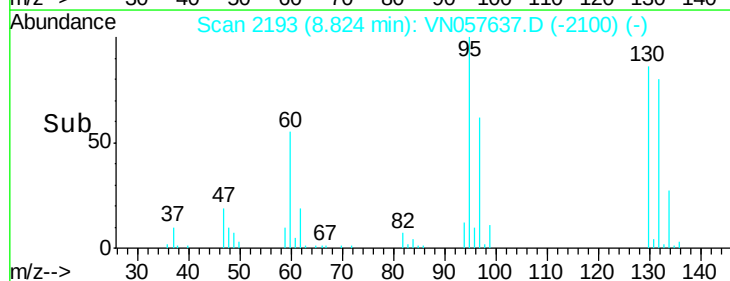
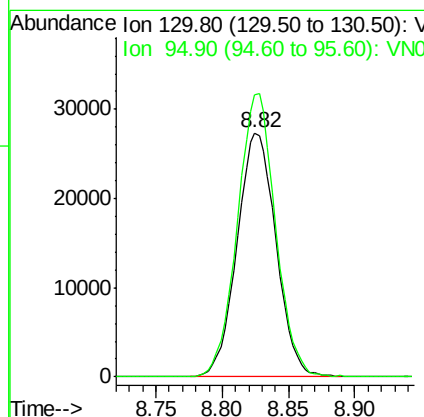
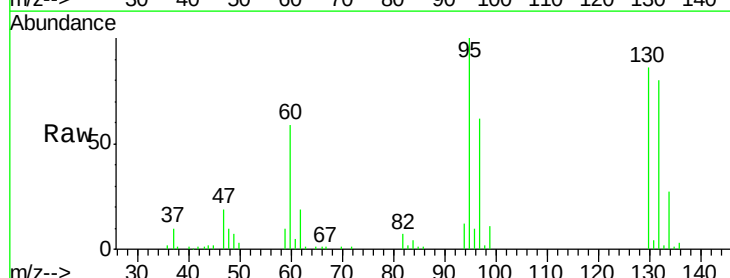
RT: 8.82 min Scan# 2193

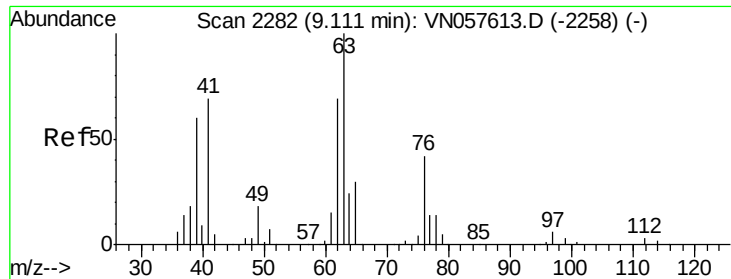
Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Tgt Ion:	130	Resp:	55769
Ion	Ratio	Lower	Upper
130	100		
95	115.8	0.0	234.4





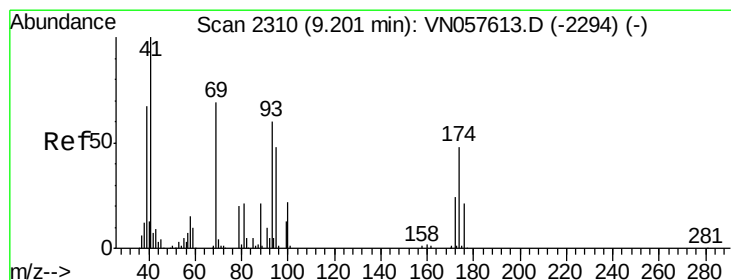
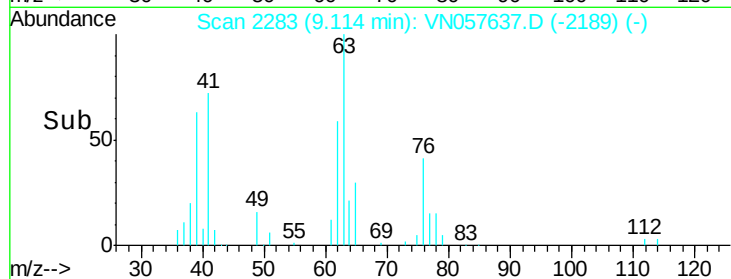
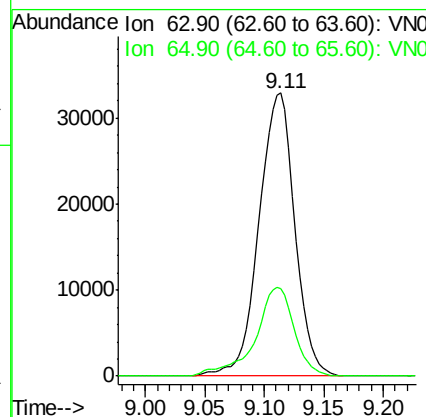
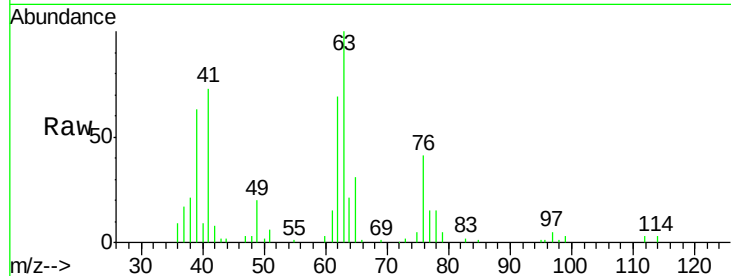
#45
 1,2-Dichloropropane
 Concen: 19.796 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Tot Ion: 63 Resp: 68605
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.4 36.6

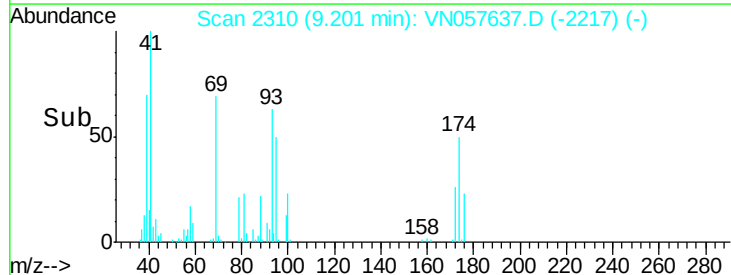
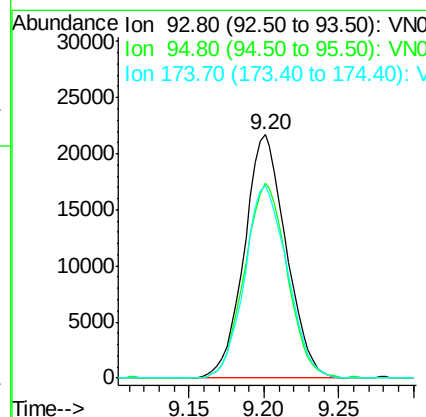
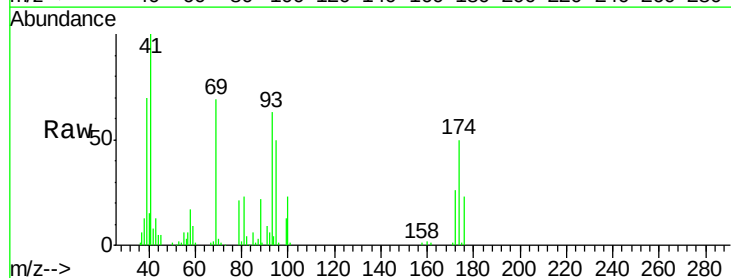
Manual Integrations
 APPROVED

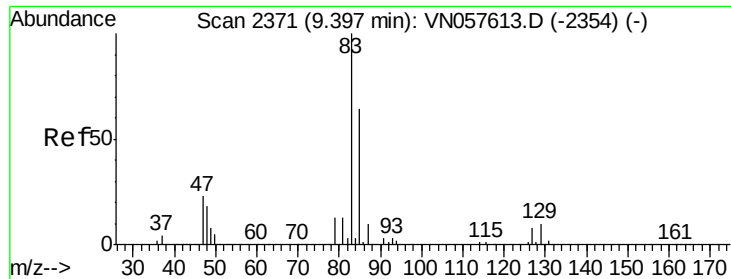
MMDadoda
 9/3/2019 11:02:50 AM



#46
 Dibromomethane
 Concen: 19.663 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion: 93 Resp: 42192
 Ion Ratio Lower Upper
 93 100
 95 81.4 65.8 98.6
 174 80.6 64.2 96.2





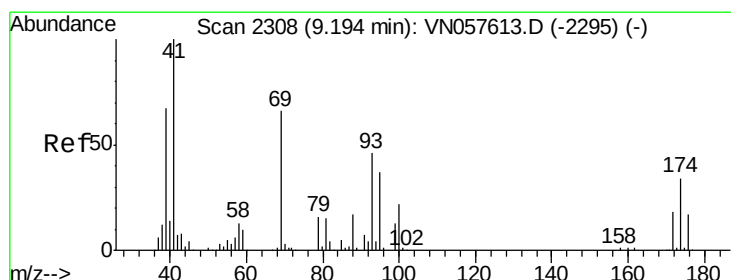
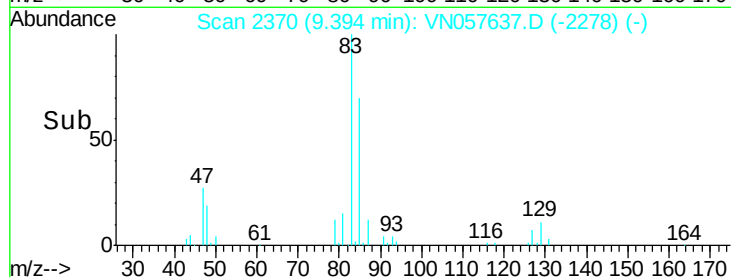
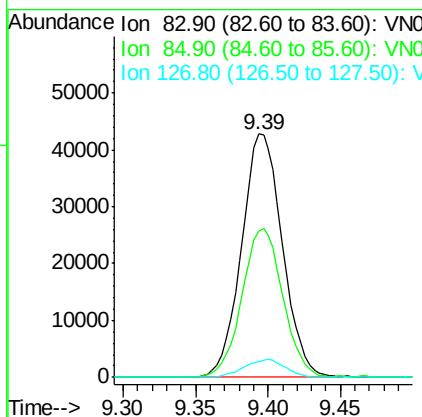
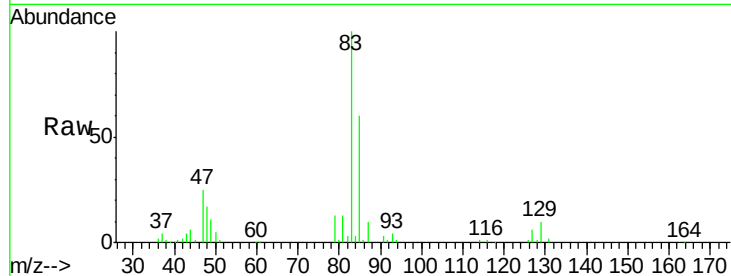
#47
 Bromodichloromethane
 Concen: 19.206 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBS01

Tot Ion	83	Resp	83728
Ion Ratio	100	Lower	Upper
83	100		
85	60.0	51.4	77.0
127	6.2	6.1	9.1

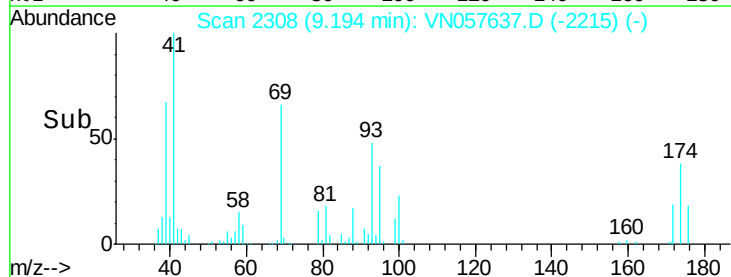
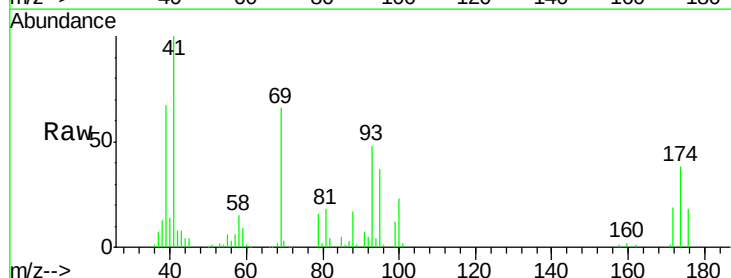
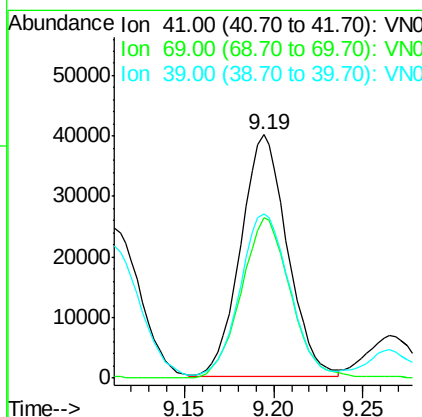
Manual Integrations
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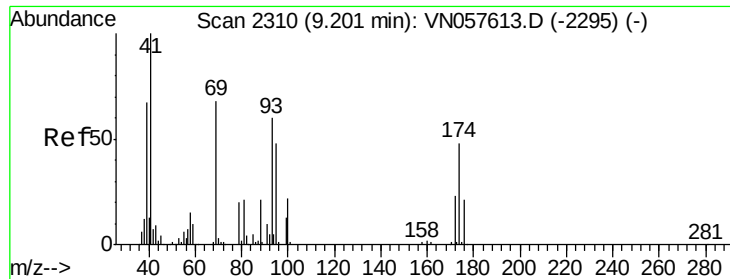
MMDadoda
 9/3/2019 11:02:50 AM



#48
 Methyl methacrylate
 Concen: 19.616 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	41	Resp	73359
Ion Ratio	100	Lower	Upper
41	100		
69	69.7	55.1	82.7
39	70.7	55.4	83.2





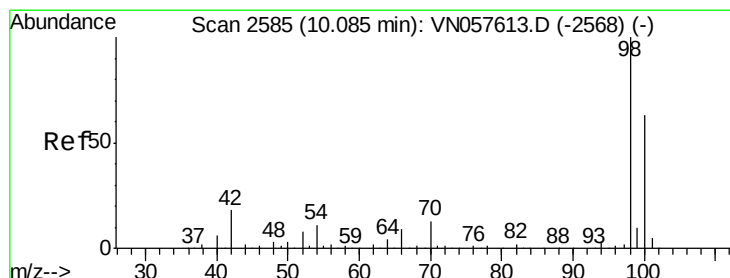
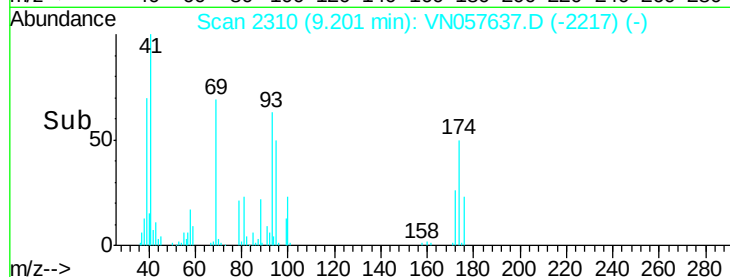
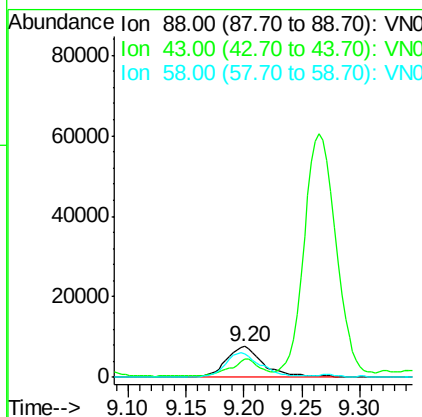
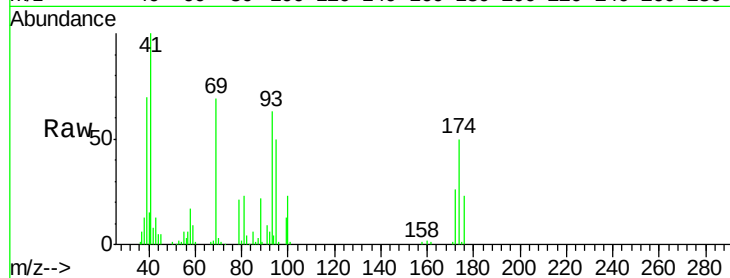
#49
1,4-Dioxane
Concen: 399.037 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion	88	Resp	17475
Ion	Ratio	Lower	Upper
88	100		
43	41.7	35.0	52.4
58	74.2	61.6	92.4

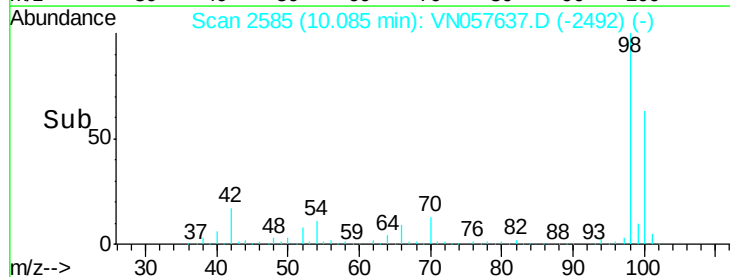
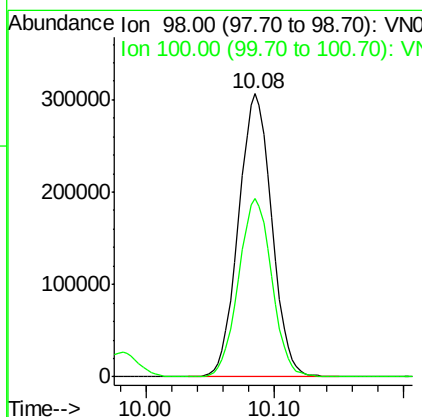
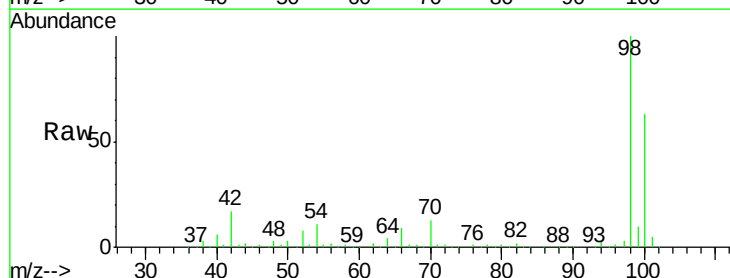
Manual Integrations
APPROVED

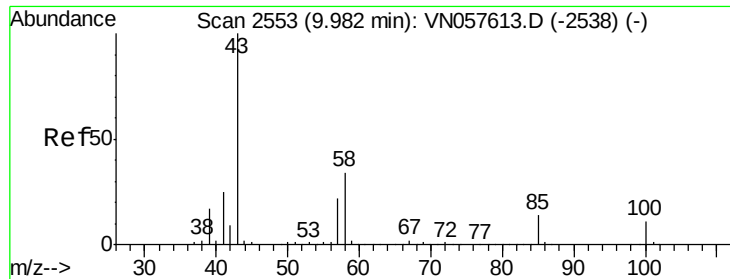
MMDadoda
9/3/2019 11:02:50 AM



#50
Toluene-d8
Concen: 50.996 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	98	Resp	551204
Ion	Ratio	Lower	Upper
98	100		
100	62.9	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 102.066 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 43 Resp: 428504

Ion Ratio Lower Upper

43 100

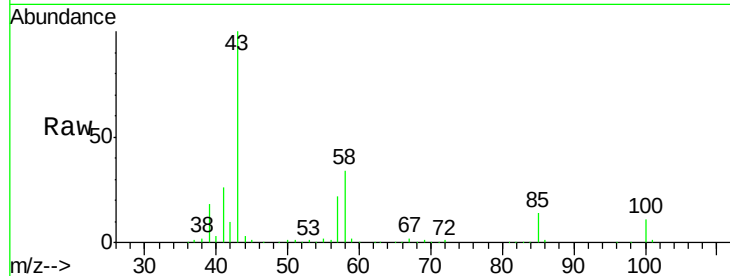
58 33.8 26.9 40.3

Manual Integrations

APPROVED

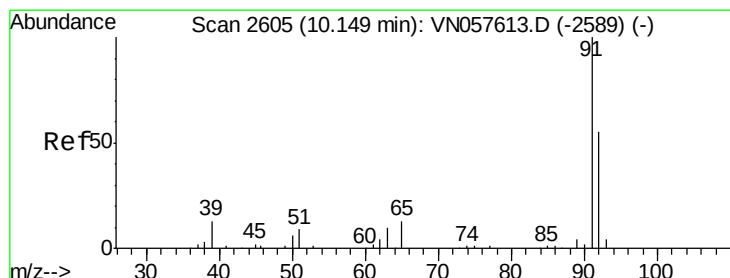
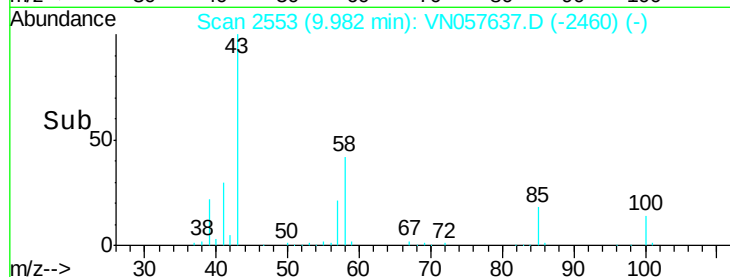
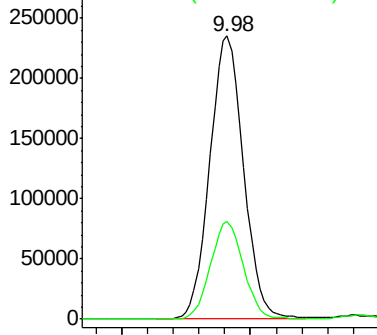
MMDadoda

9/3/2019 11:02:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.391 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057637.D

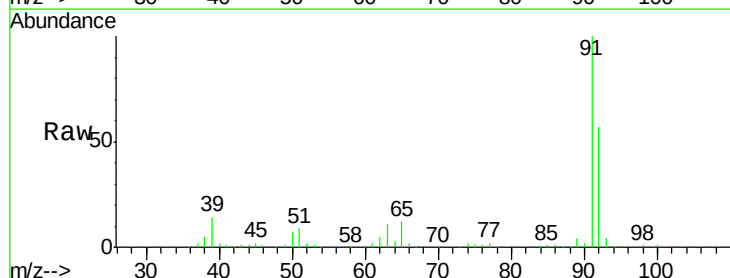
Acq: 1 Sep 2019 12:15

Tgt Ion: 92 Resp: 149944

Ion Ratio Lower Upper

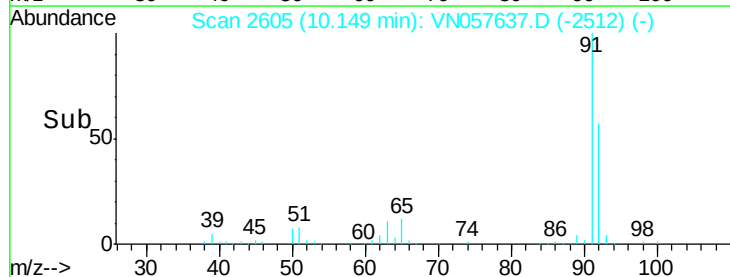
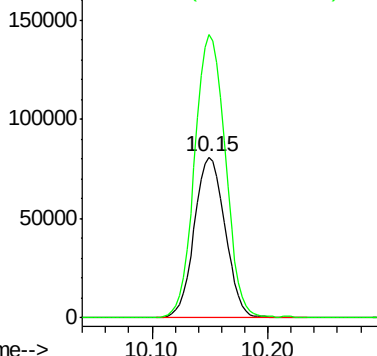
92 100

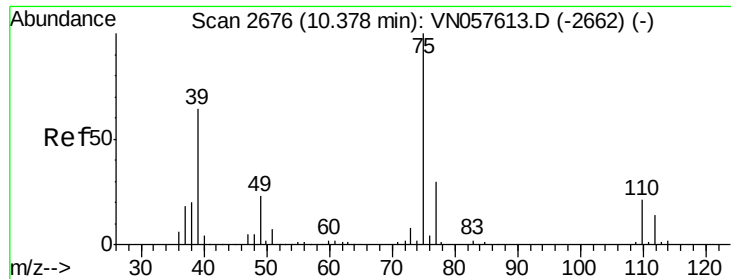
91 175.4 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





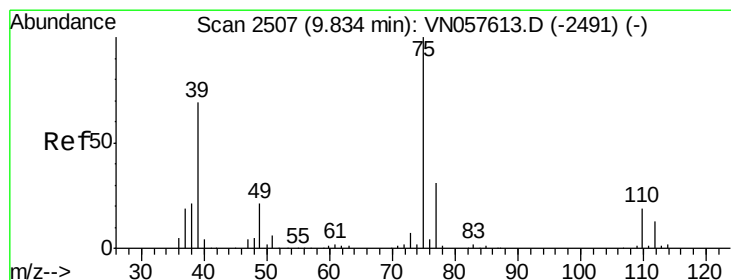
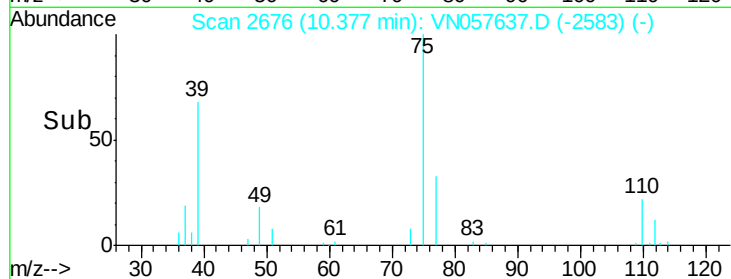
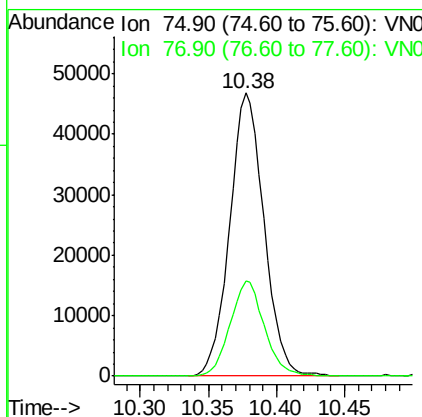
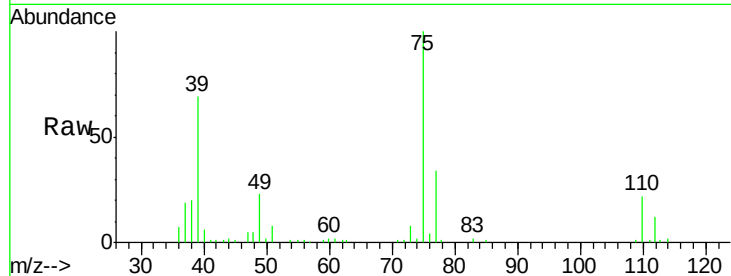
#53
t-1,3-Dichloropropene
Concen: 18.916 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion: 75 Resp: 81705
Ion Ratio Lower Upper
75 100
77 33.6 24.1 36.1

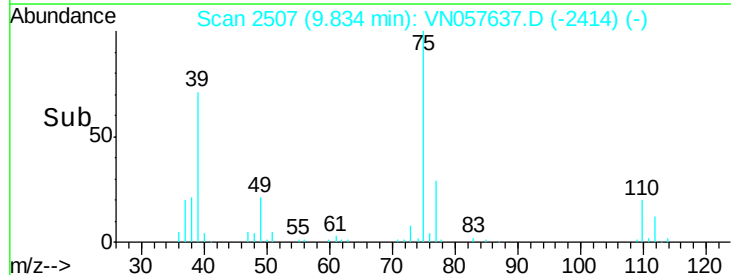
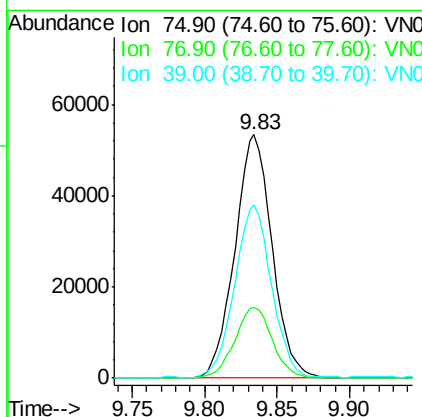
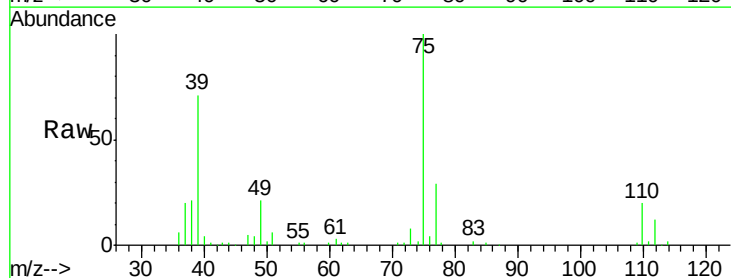
Manual Integrations
APPROVED

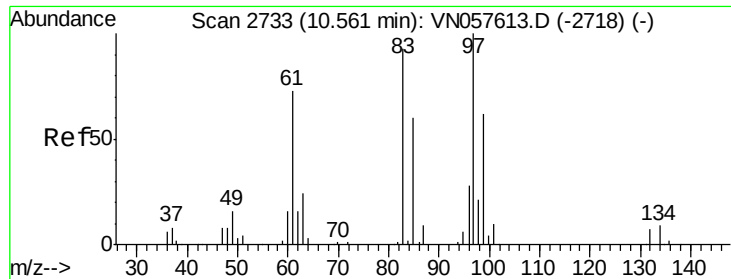
MMDadoda
9/3/2019 11:02:50 AM



#54
cis-1,3-Dichloropropene
Concen: 18.948 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion: 75 Resp: 95114
Ion Ratio Lower Upper
75 100
77 29.2 24.8 37.2
39 71.4 55.0 82.4





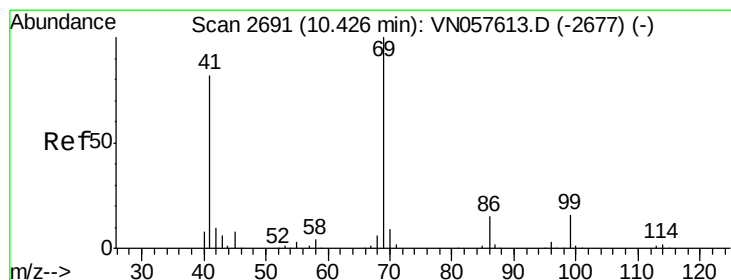
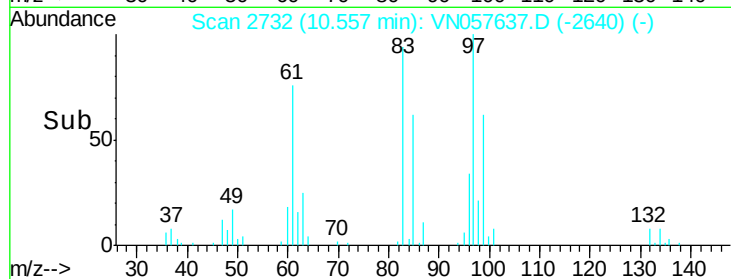
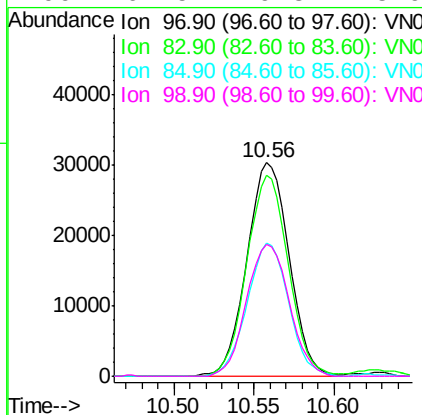
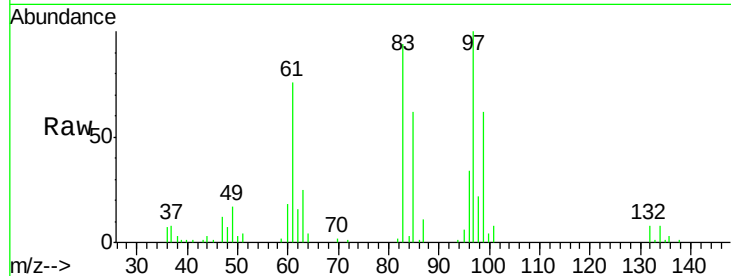
#55
 1,1,2-Trichloroethane
 Concen: 19.613 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Tot Ion:	97	Resp:	54721
Ion	Ratio	Lower	Upper
97	100		
83	93.9	74.2	111.2
85	62.3	47.8	71.8
99	61.5	49.3	73.9

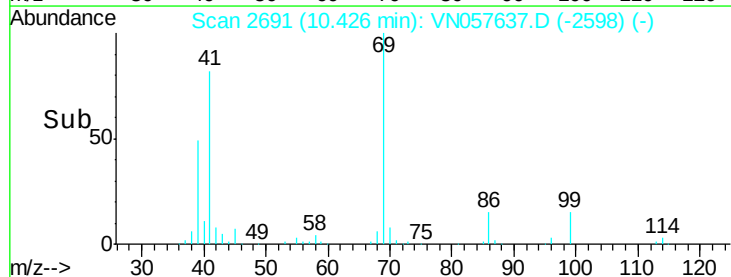
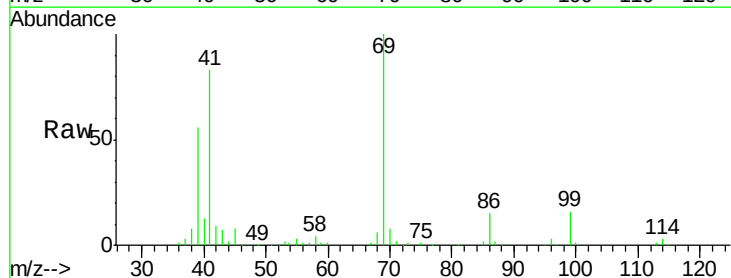
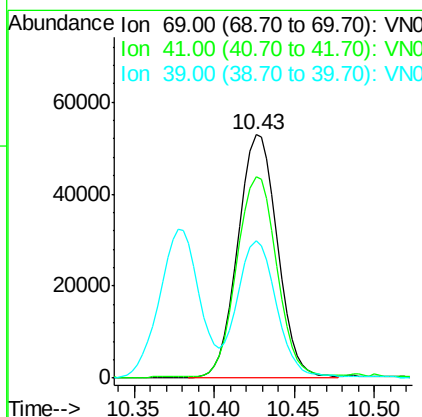
Manual Integrations
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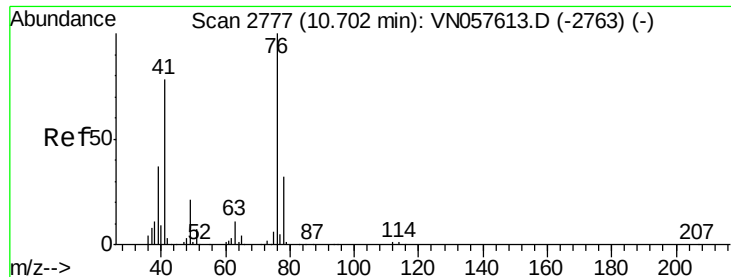
MMDadoda
 9/3/2019 11:02:50 AM



#56
 Ethyl methacrylate
 Concen: 19.213 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion:	69	Resp:	89455
Ion	Ratio	Lower	Upper
69	100		
41	82.4	65.8	98.6
39	54.6	43.8	65.8





#57

1,3-Dichloropropane

Concen: 20.013 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 76 Resp: 102442

Ion Ratio Lower Upper

76 100

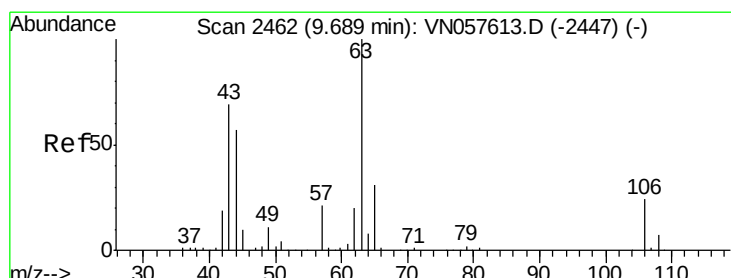
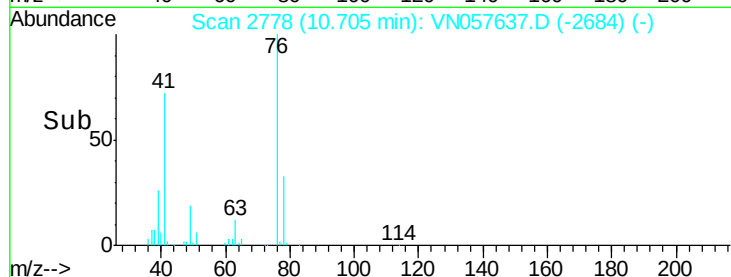
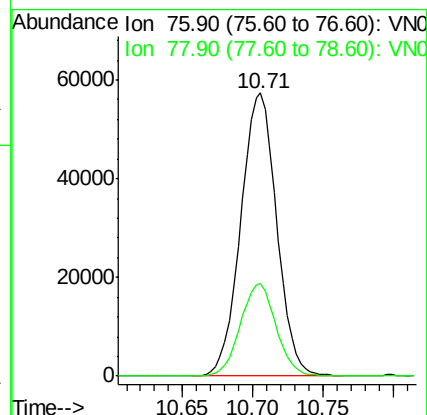
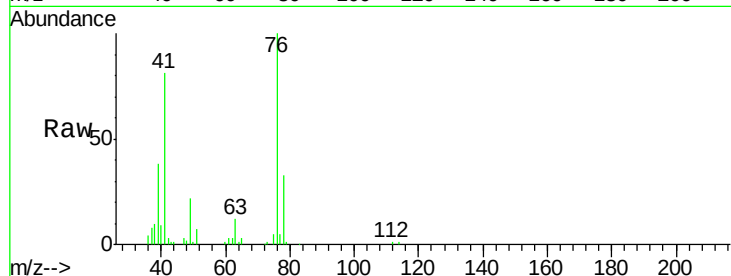
78 32.6 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:02:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 84.435 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057637.D

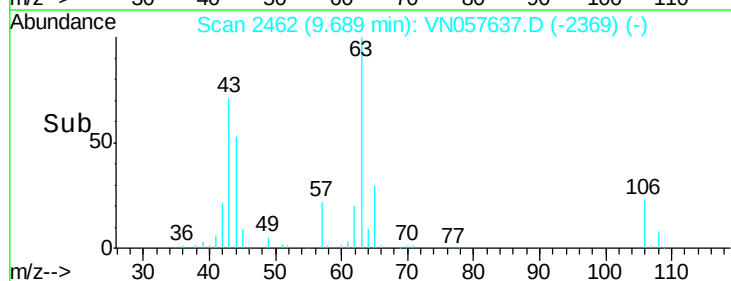
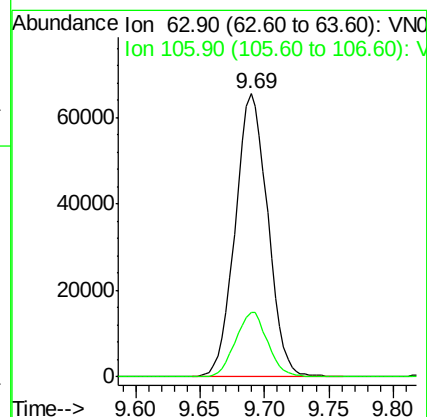
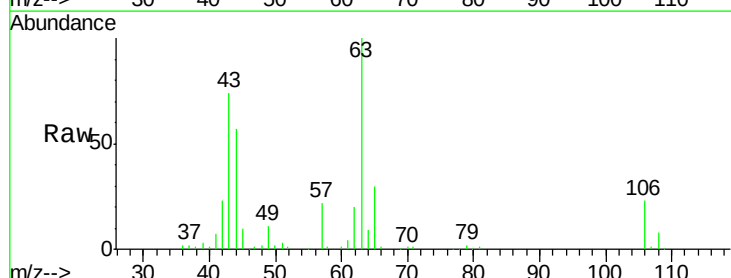
Acq: 1 Sep 2019 12:15

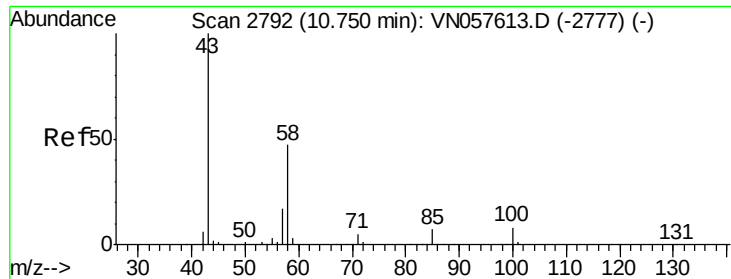
Tgt Ion: 63 Resp: 115013

Ion Ratio Lower Upper

63 100

106 22.5 18.3 27.5





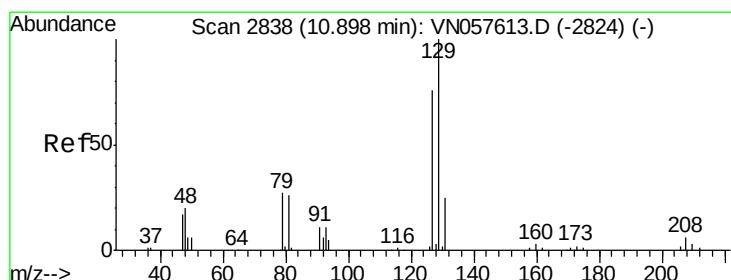
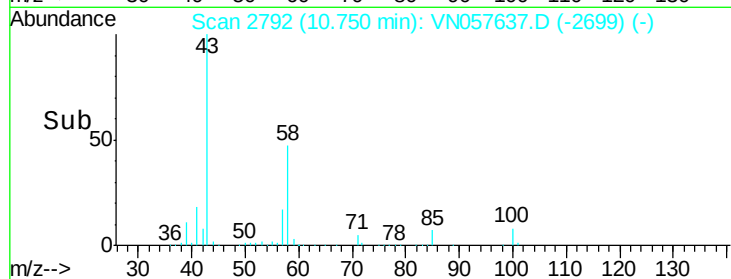
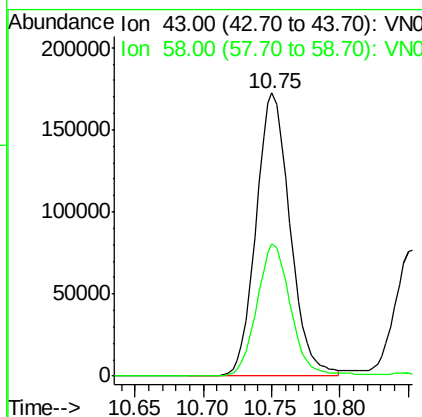
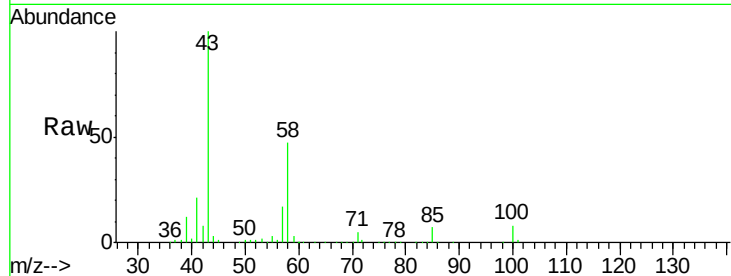
#59
2-Hexanone
Concen: 96.455 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.9	23.5	70.5

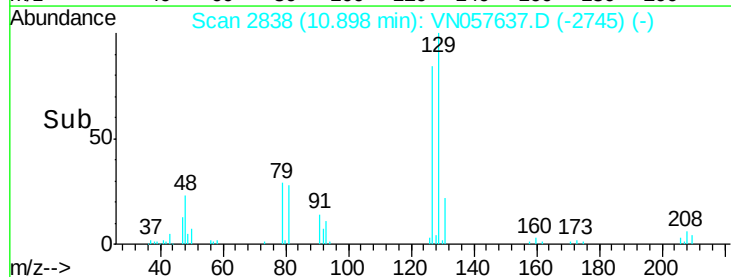
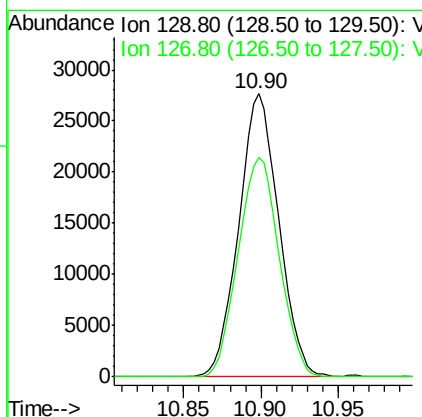
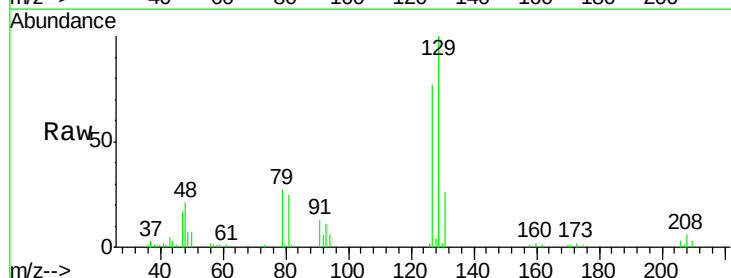
Manual Integrations
APPROVED

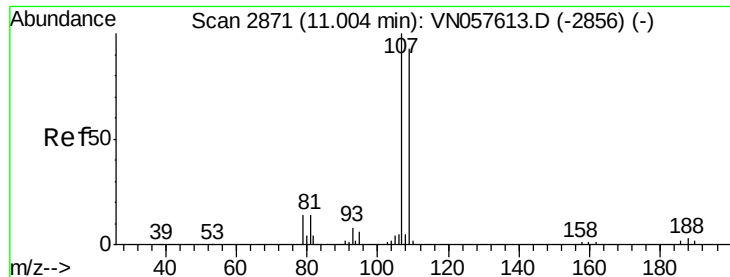
MMDadoda
9/3/2019 11:02:50 AM



#60
Dibromochloromethane
Concen: 18.670 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.3	114.8





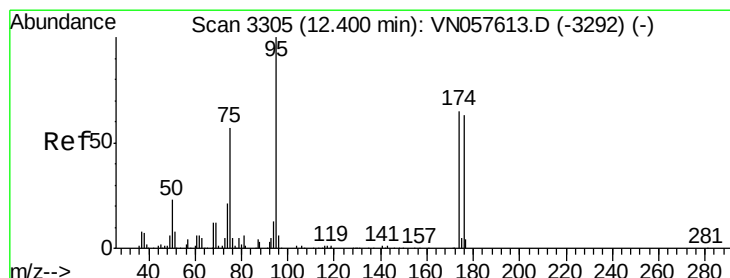
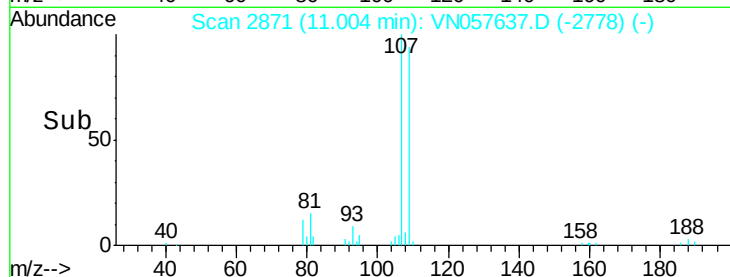
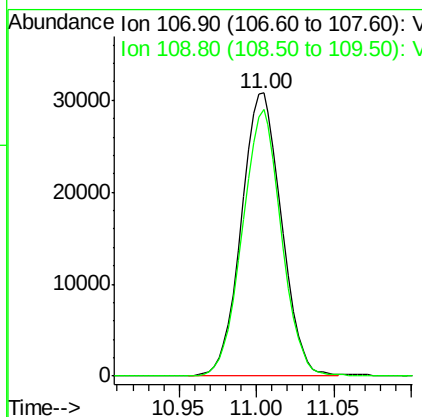
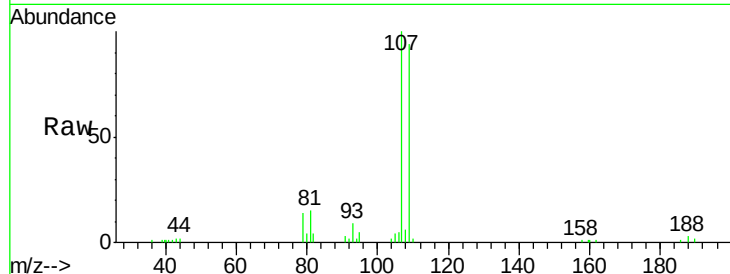
#61
 1,2-Dibromoethane
 Concen: 19.758 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	55505		
109	91.5	75.0	112.4	

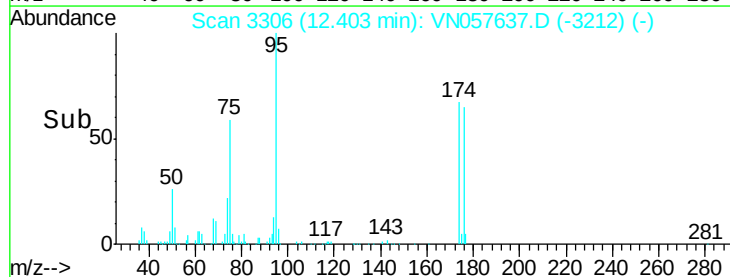
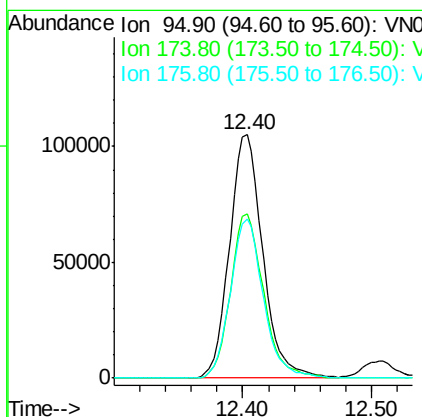
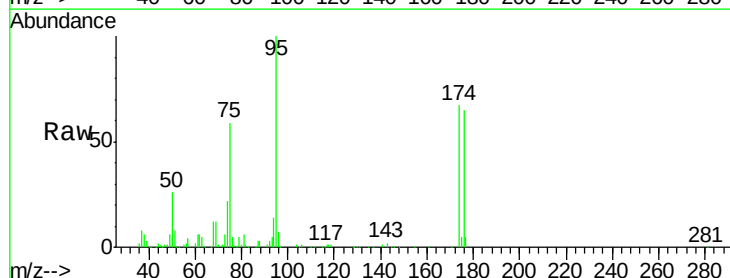
Manual Integrations
 APPROVED

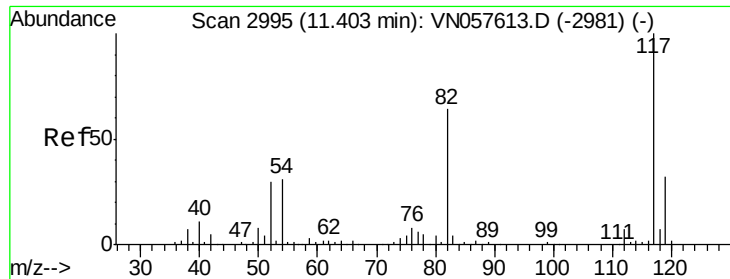
MMDadoda
 9/3/2019 11:02:50 AM



#62
 4-Bromofluorobenzene
 Concen: 45.889 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	188609		
174	67.0	0.0	134.8	
176	64.6	0.0	131.6	





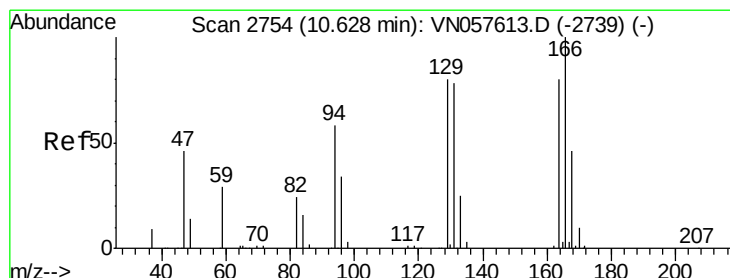
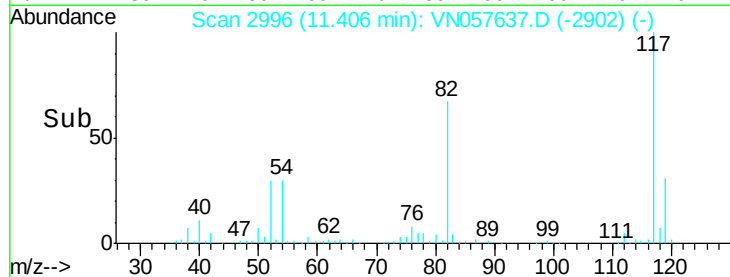
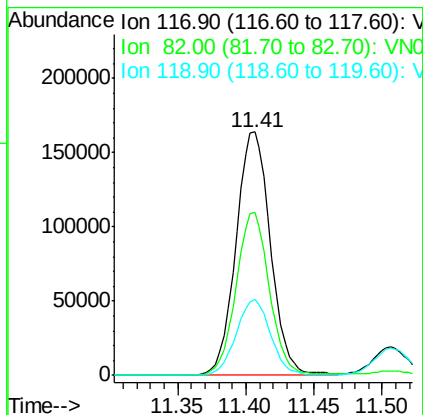
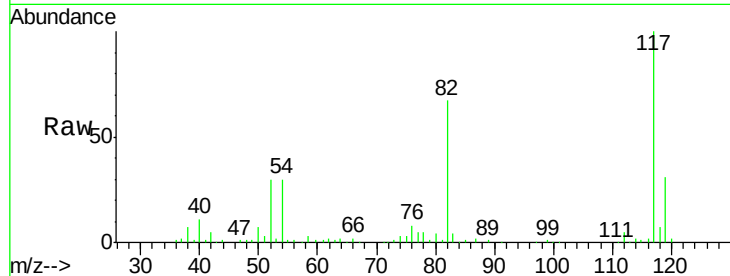
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	288034		
82	66.8	51.6	77.4	
119	30.9	25.8	38.6	

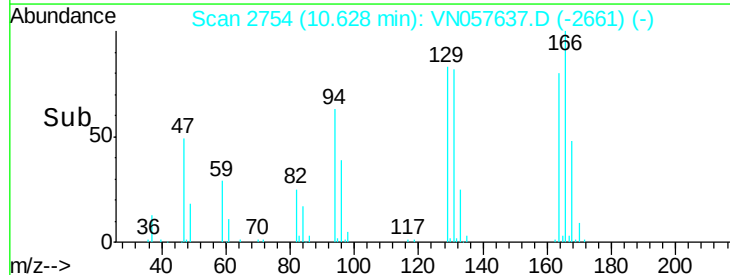
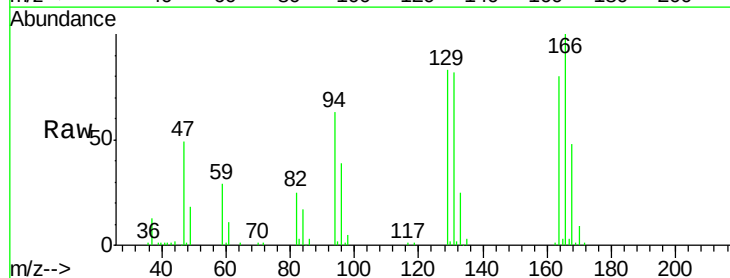
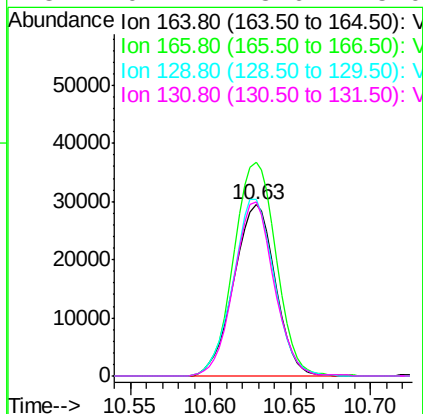
Manual Integrations
APPROVED

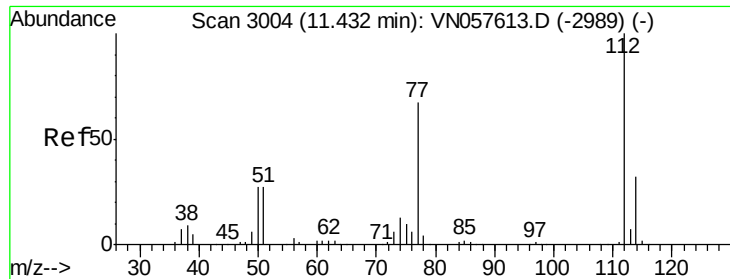
MMDadoda
9/3/2019 11:02:50 AM



#64
Tetrachloroethene
Concen: 20.910 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52151		
166	124.6	100.6	151.0	
129	102.8	80.4	120.6	
131	101.7	78.6	118.0	





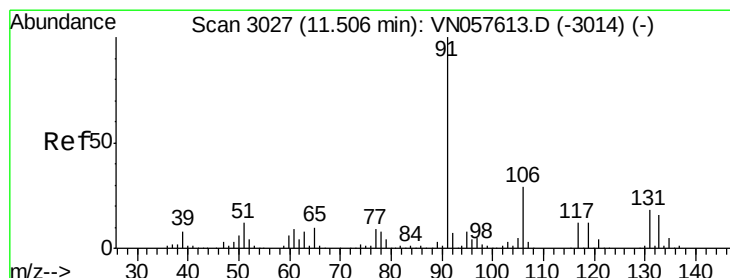
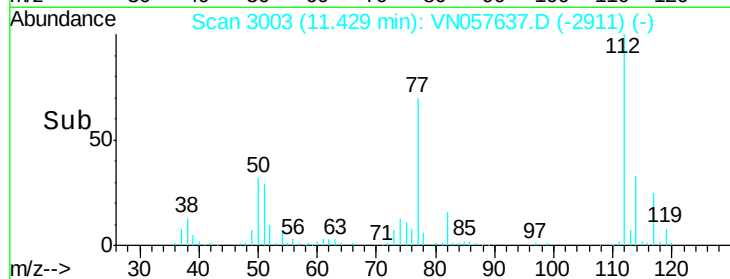
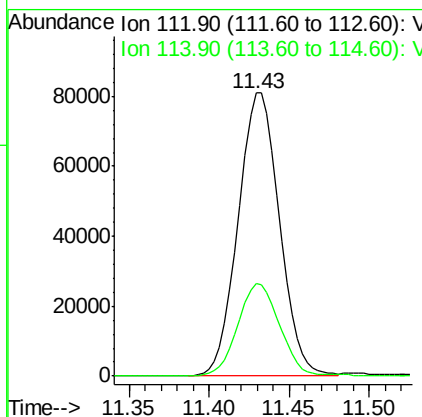
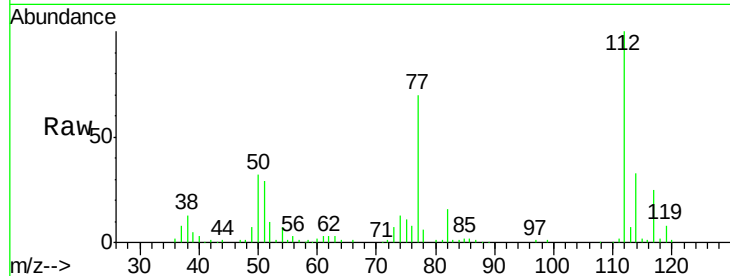
#65
Chlorobenzene
Concen: 19.870 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion:112 Resp: 143412
Ion Ratio Lower Upper
112 100
114 32.7 25.3 37.9

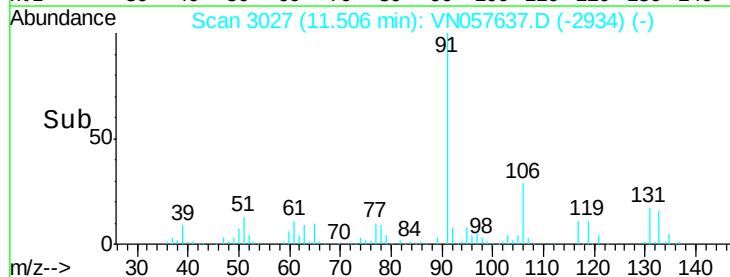
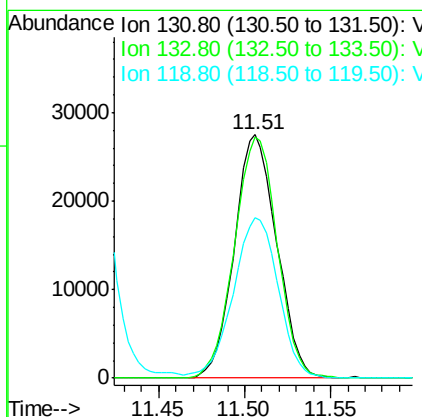
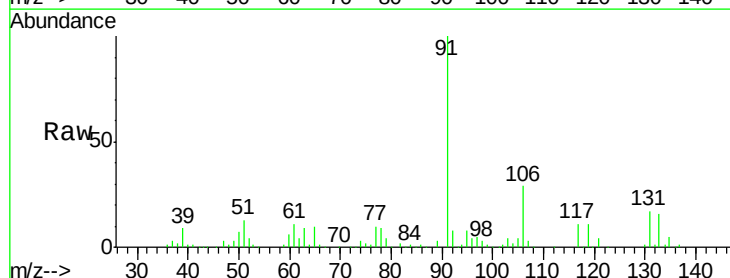
Manual Integrations
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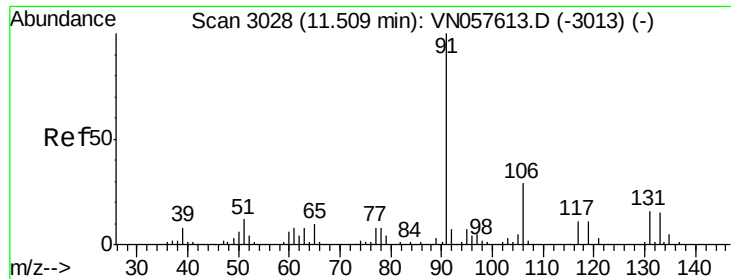
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.660 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion:131 Resp: 46971
Ion Ratio Lower Upper
131 100
133 100.3 47.8 143.4
119 70.0 33.9 101.6





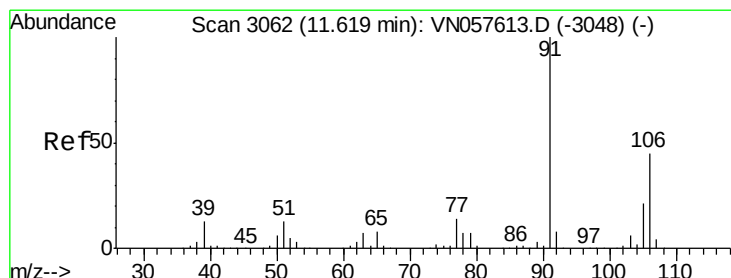
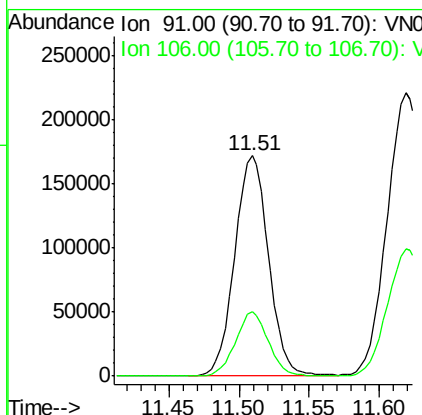
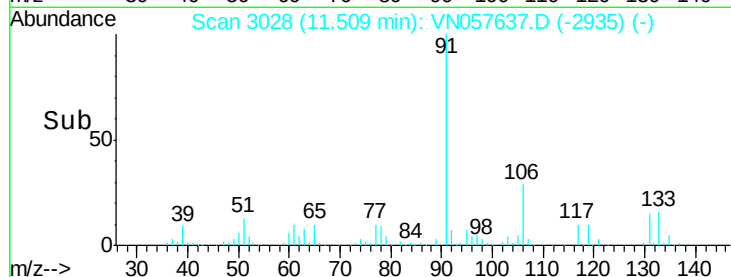
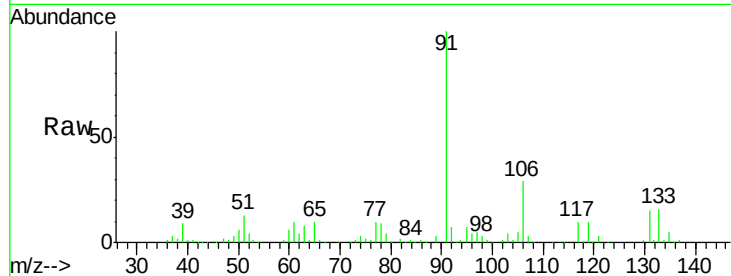
#67
Ethyl Benzene
Concen: 20.713 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion: 91 Resp: 290470
Ion Ratio Lower Upper
91 100
106 29.3 22.9 34.3

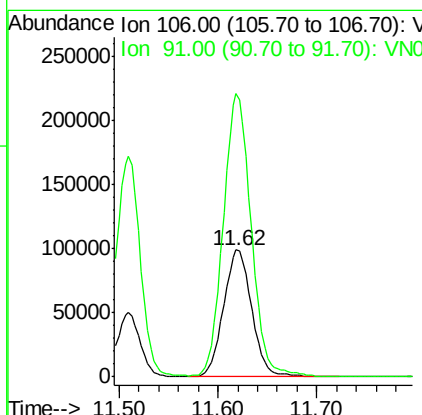
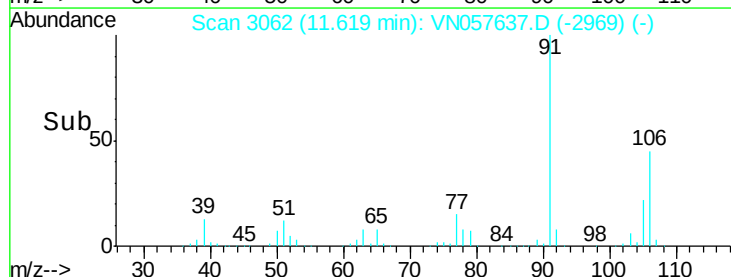
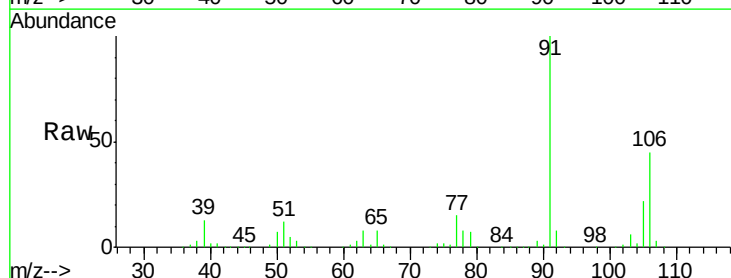
Manual Integrations
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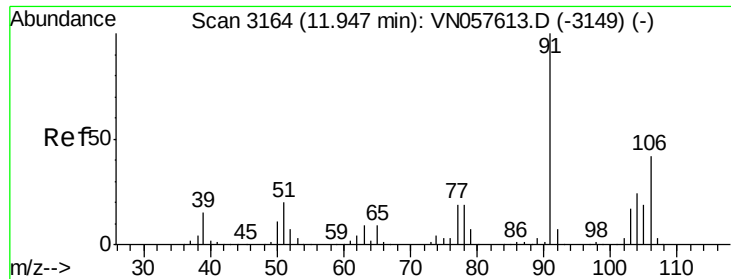
MMDadoda
9/3/2019 11:02:50 AM



#68
m/p-Xylenes
Concen: 40.305 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion: 106 Resp: 199124
Ion Ratio Lower Upper
106 100
91 220.4 176.2 264.2





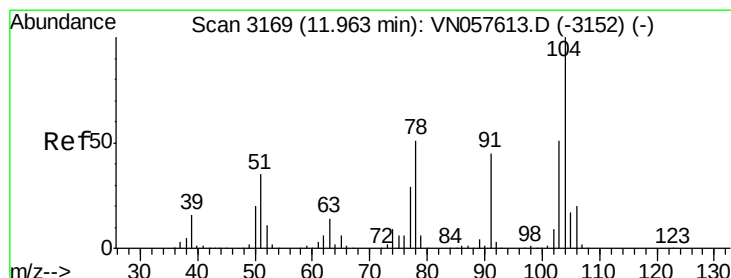
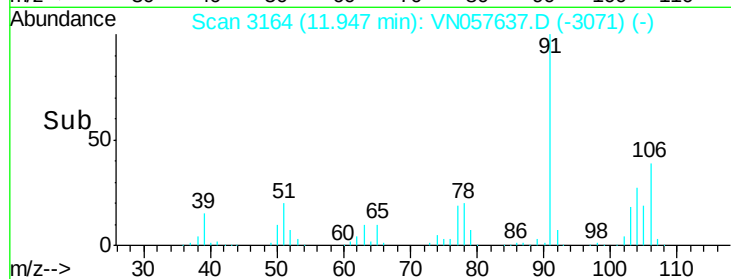
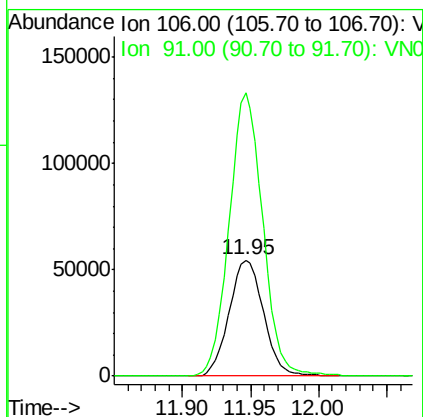
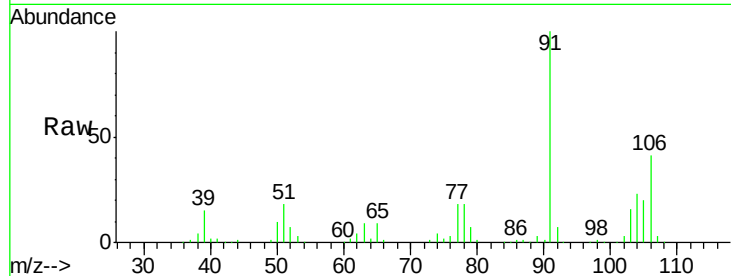
#69
o-Xylene
Concen: 19.952 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		95531		
91	238.1	117.3	351.8		

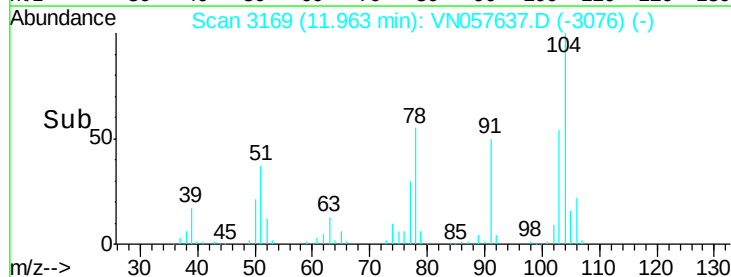
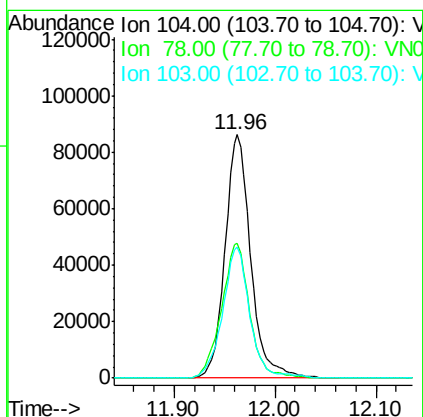
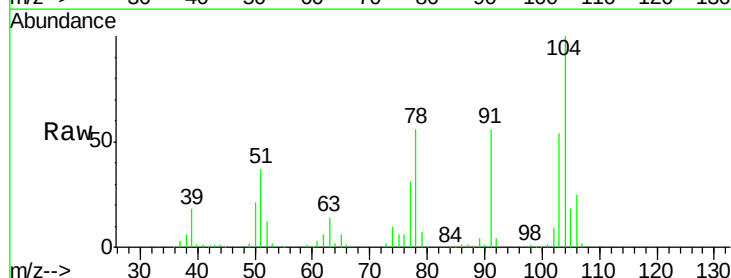
Manual Integrations
APPROVED

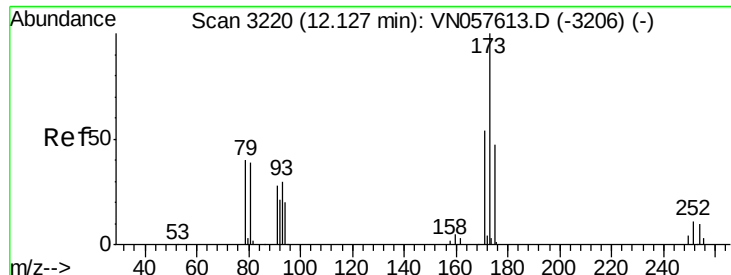
MMDadoda
9/3/2019 11:02:50 AM



#70
Styrene
Concen: 19.458 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		153337		
78	61.0	46.6	70.0		
103	57.0	44.7	67.1		





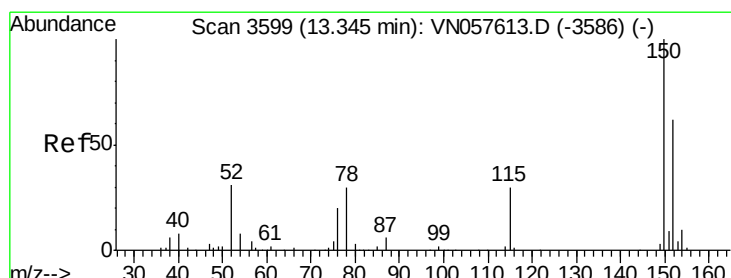
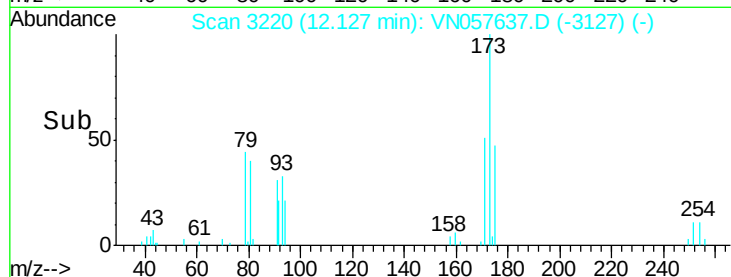
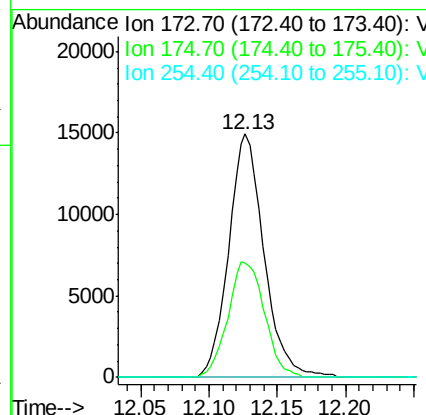
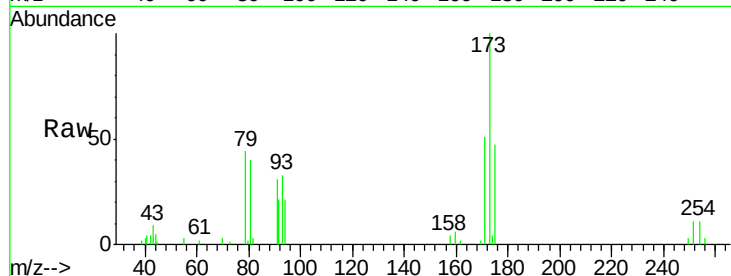
#71
Bromoform
Concen: 18.771 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.0	0.0

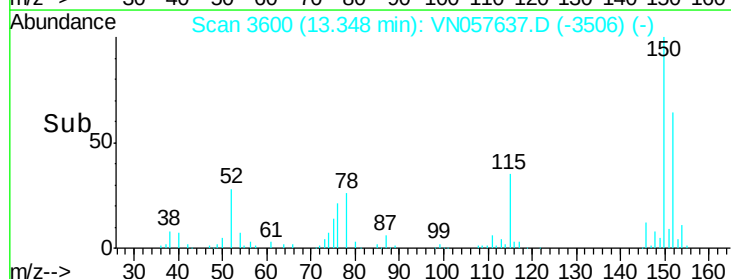
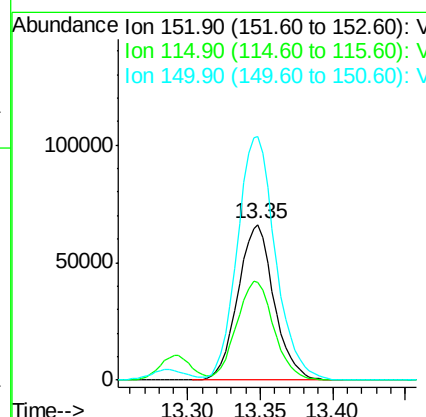
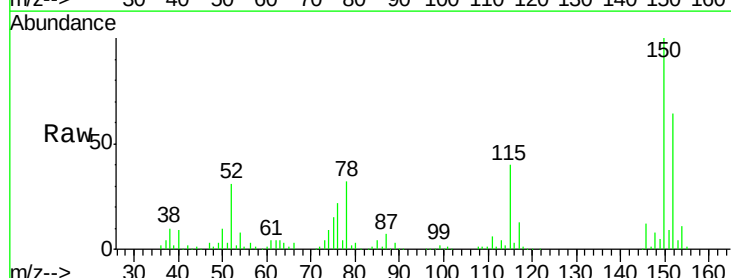
Manual Integrations
APPROVED

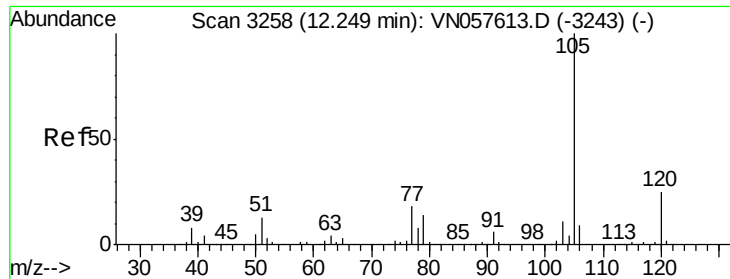
MMDadoda
9/3/2019 11:02:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.8	33.2	99.6
150	165.1	0.0	365.2





#73

Isopropylbenzene

Concen: 22.940 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBS01

Tot Ion:105 Resp: 264669

Ion Ratio Lower Upper

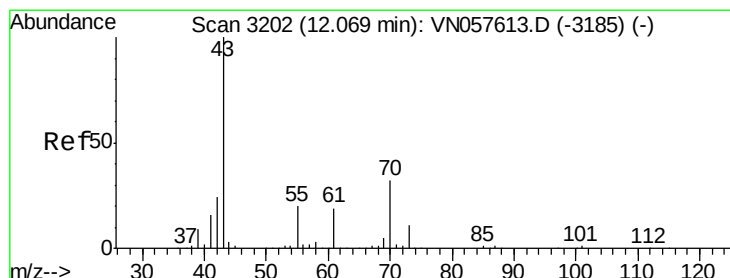
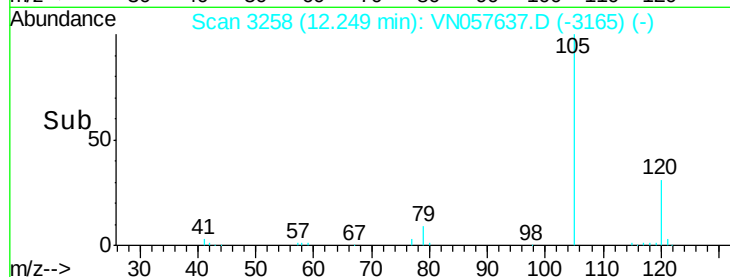
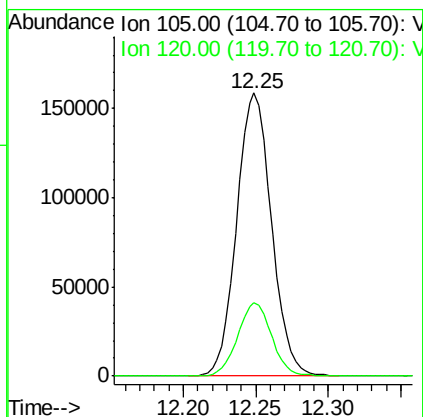
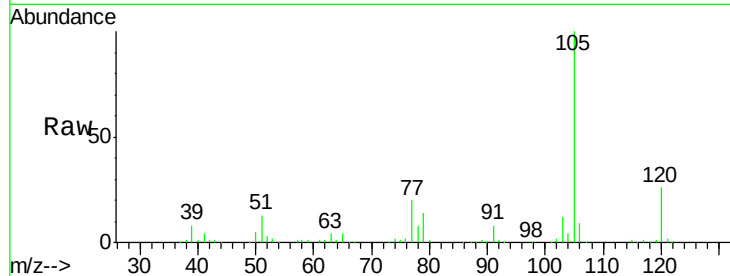
105 100

120 25.5 12.7 38.1

Manual Integrations
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MMDadoda

9/3/2019 11:02:50 AM



#74

N-ethyl acetate

Concen: 22.494 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Tgt Ion: 43 Resp: 122478

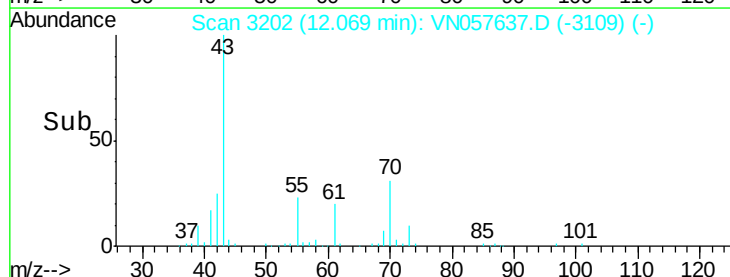
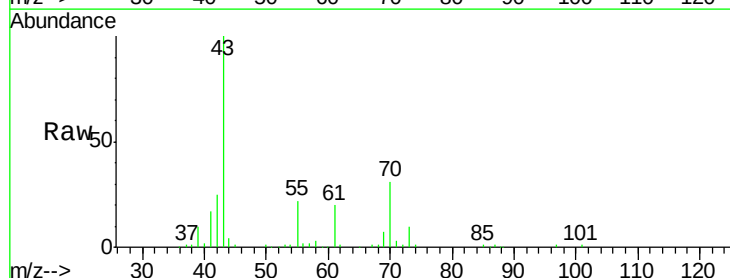
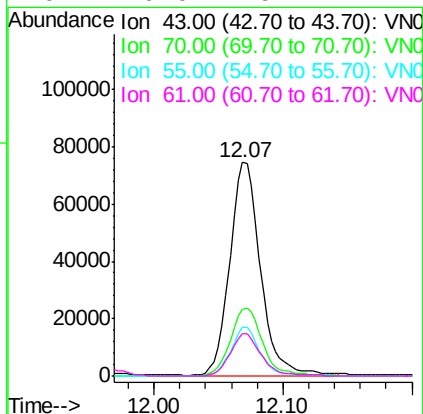
Ion Ratio Lower Upper

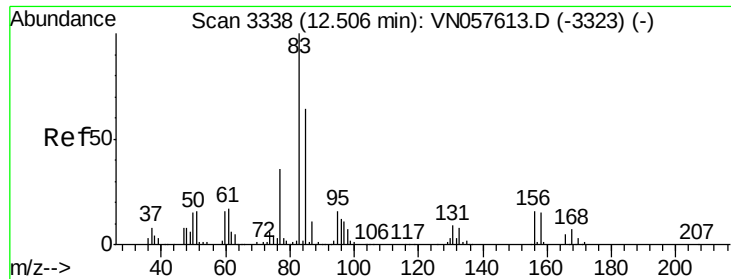
43 100

70 33.4 26.9 40.3

55 22.1 16.8 25.2

61 20.0 15.1 22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.537 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

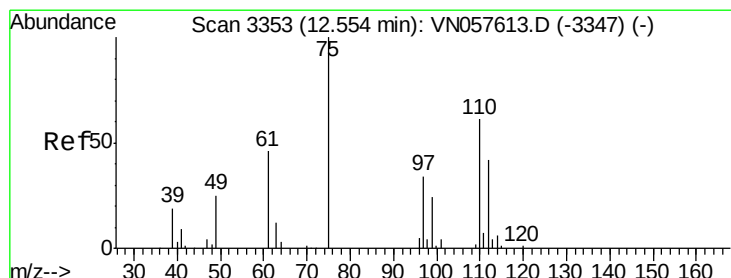
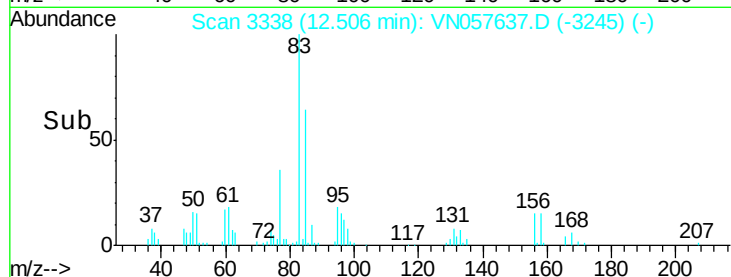
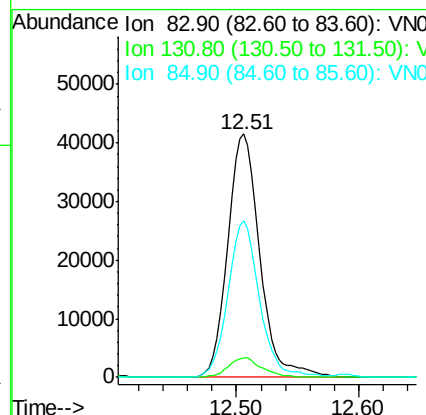
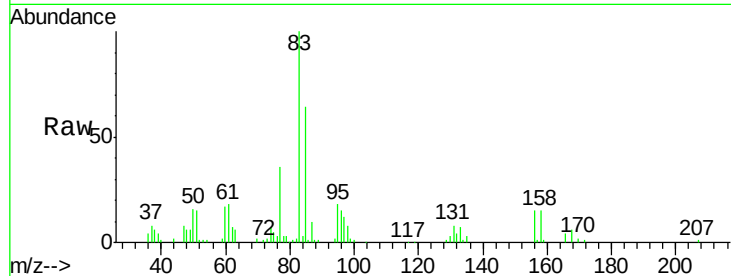
ClientSampled :

VN0902MBS01

Tot Ion:	83	Resp:	76636
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.5	13.7
85	63.4	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.864 ug/l m

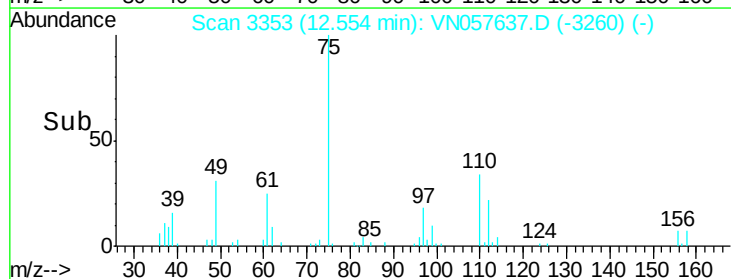
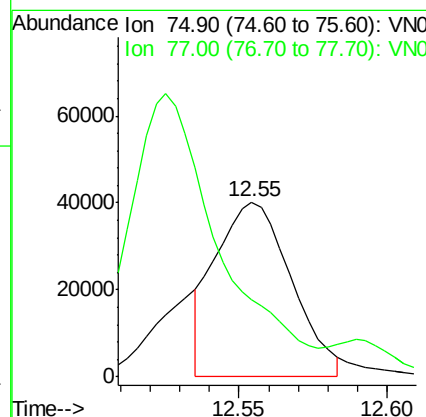
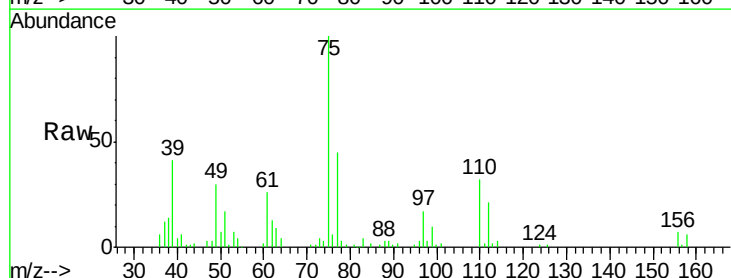
RT: 12.55 min Scan# 3353

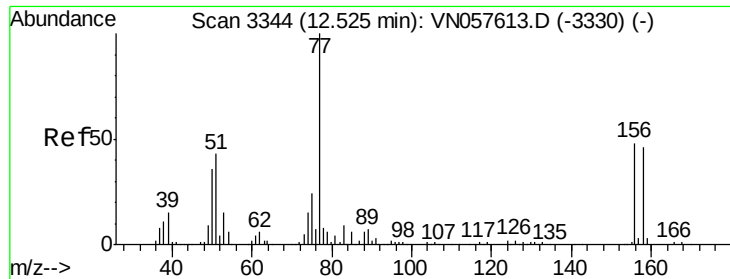
Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Tgt Ion:	75	Resp:	71733
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





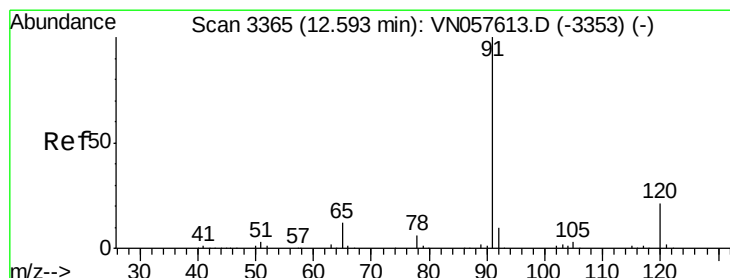
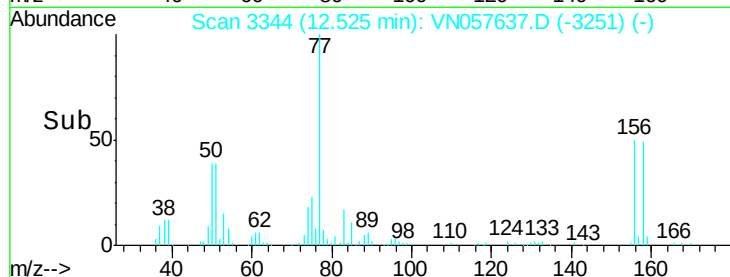
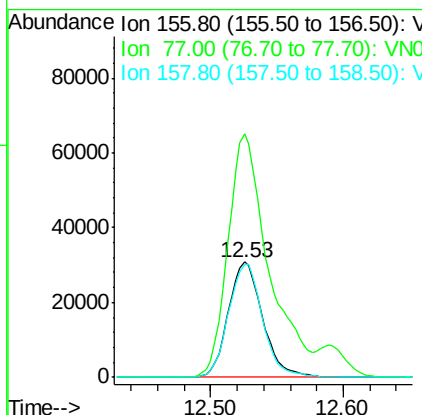
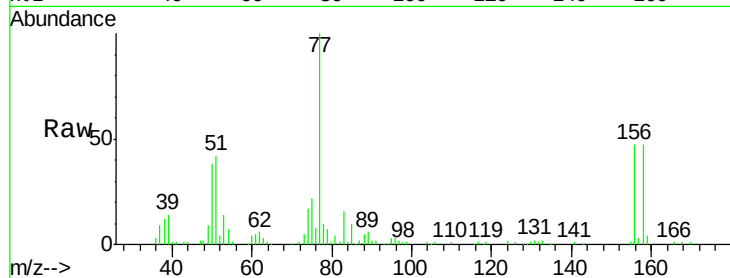
#77
Bromobenzene
Concen: 22.632 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	249.7	123.5	370.5
158	97.5	47.8	143.3

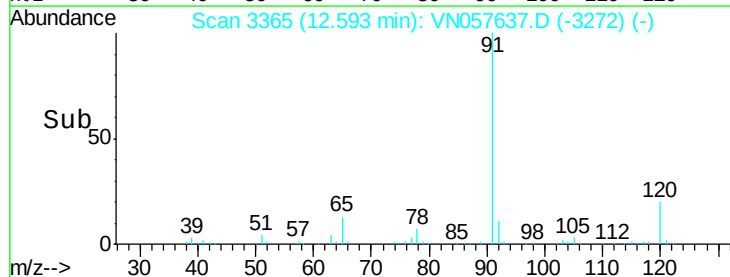
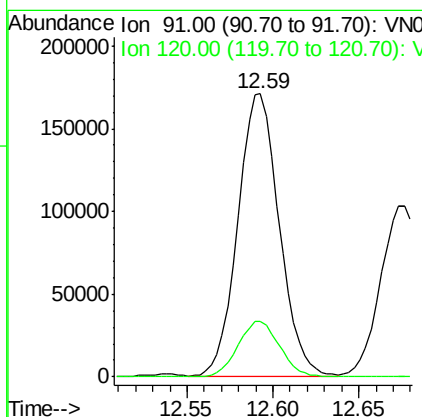
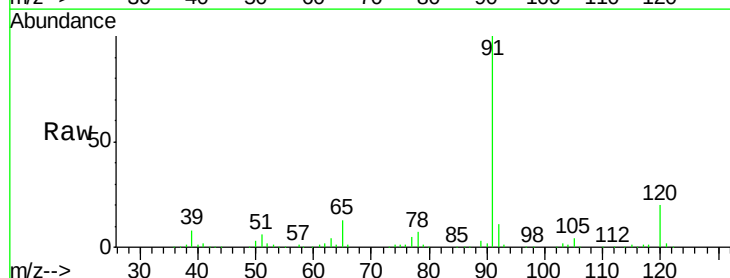
Manual Integrations
APPROVED

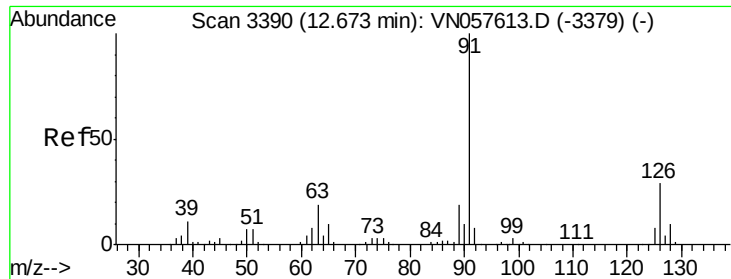
MMDadoda
9/3/2019 11:02:50 AM



#78
n-propylbenzene
Concen: 22.225 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN057637.D
Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.8	10.4	31.4





#79

2-Chlorotoluene

Concen: 22.488 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 91 Resp: 180074

Ion Ratio Lower Upper

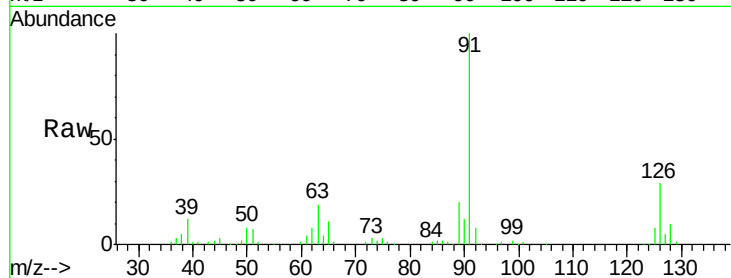
91 100

126 29.0 14.9 44.5

Manual Integrations
APPROVED

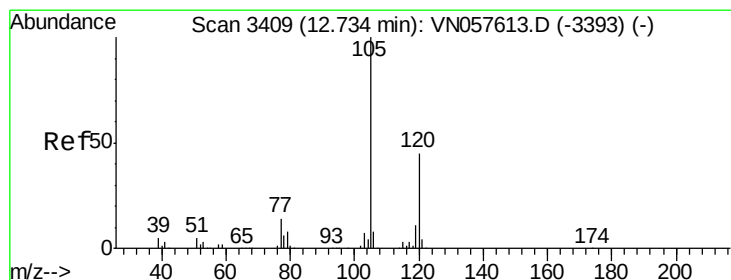
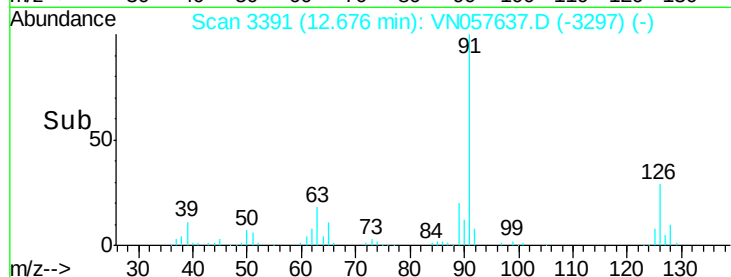
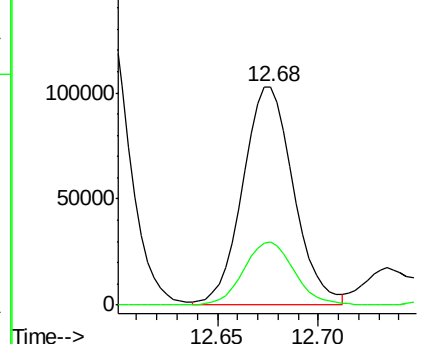
MMDadoda

9/3/2019 11:02:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057613.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.784 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057637.D

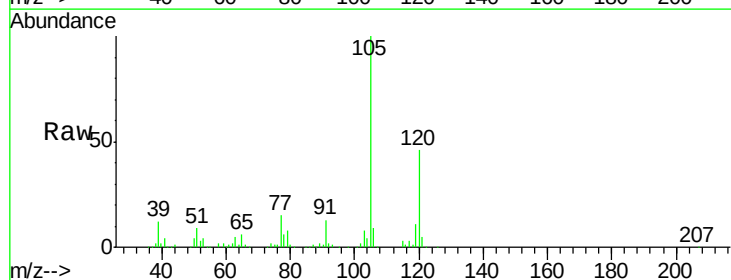
Acq: 1 Sep 2019 12:15

Tgt Ion: 105 Resp: 216264

Ion Ratio Lower Upper

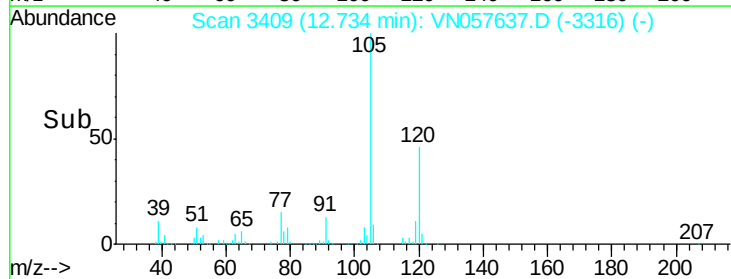
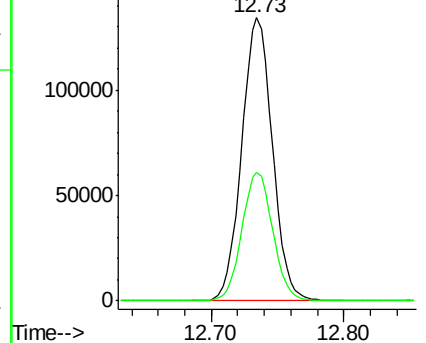
105 100

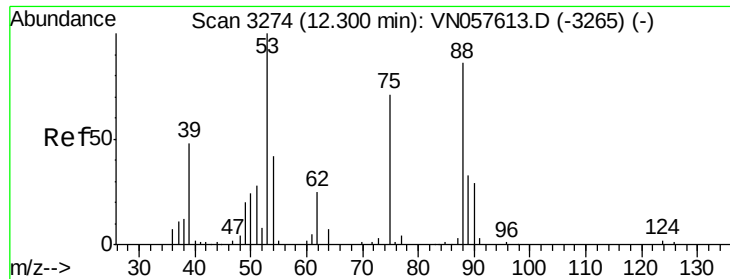
120 45.6 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057613.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057613.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.786 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0902MBS01

Tot Ion: 75 Resp: 16474

Ion Ratio Lower Upper

75 100

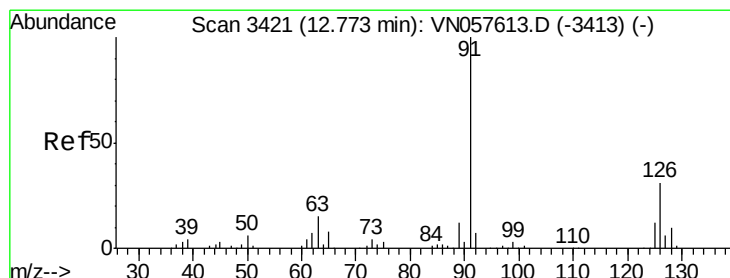
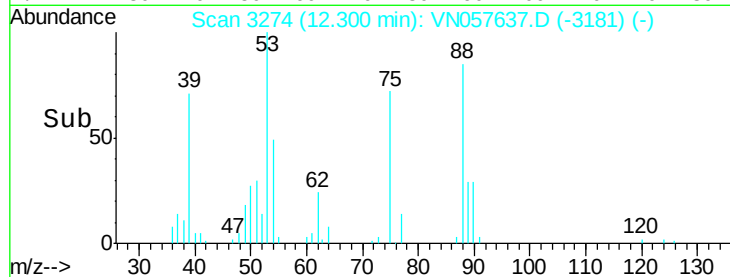
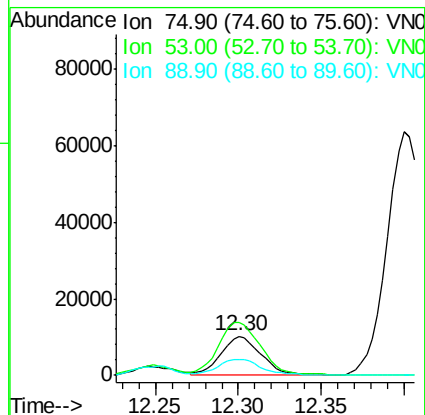
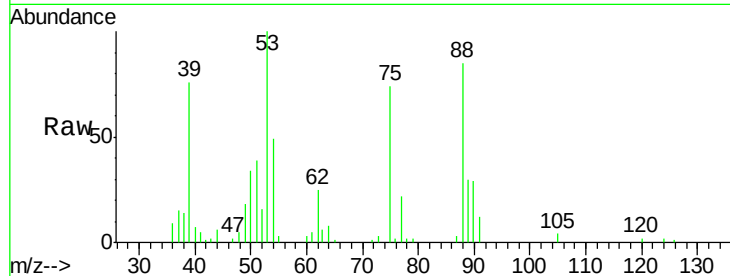
53 151.0 111.0 166.6

89 46.6 38.3 57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.796 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057637.D

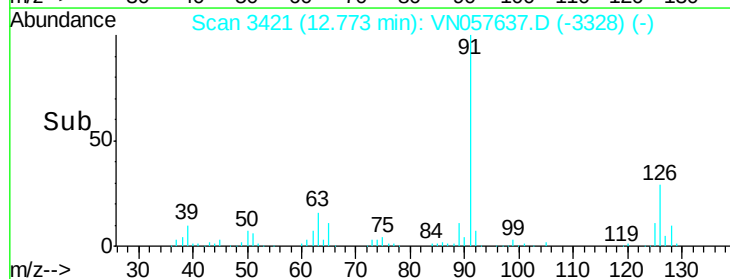
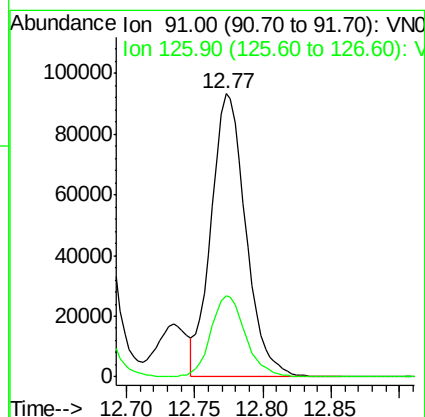
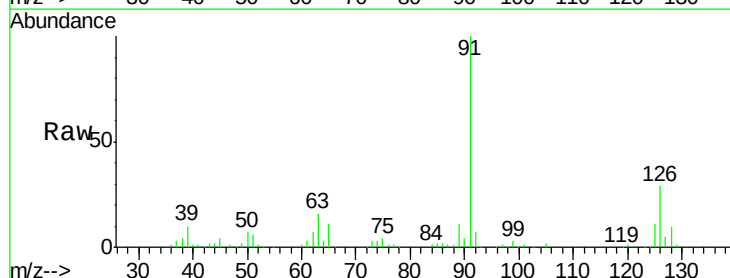
Acq: 1 Sep 2019 12:15

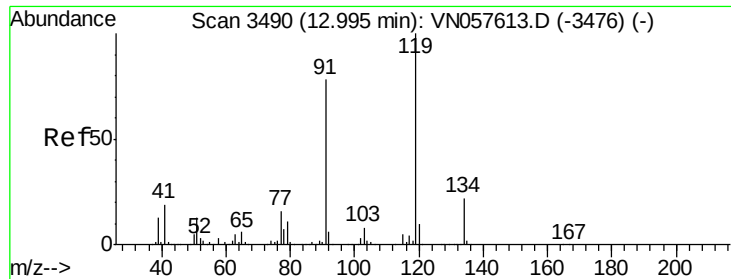
Tgt Ion: 91 Resp: 164832

Ion Ratio Lower Upper

91 100

126 28.8 14.4 43.2





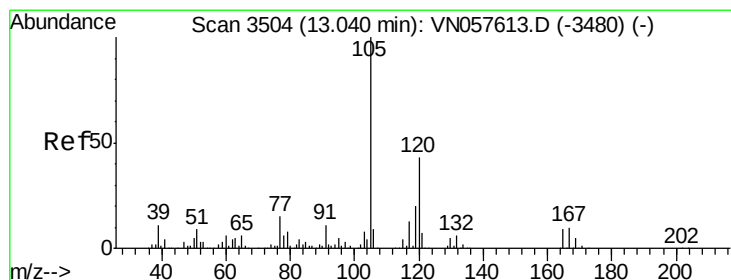
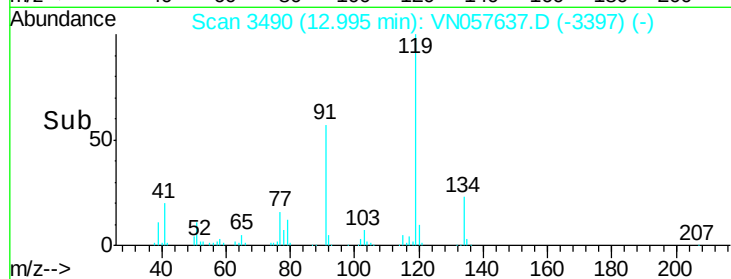
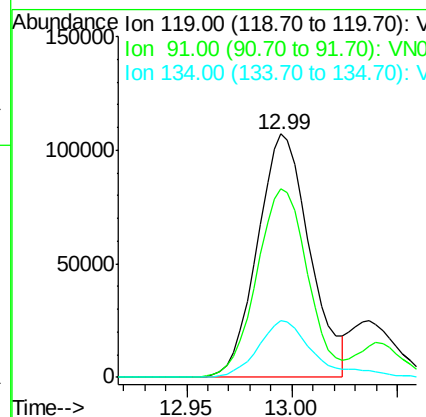
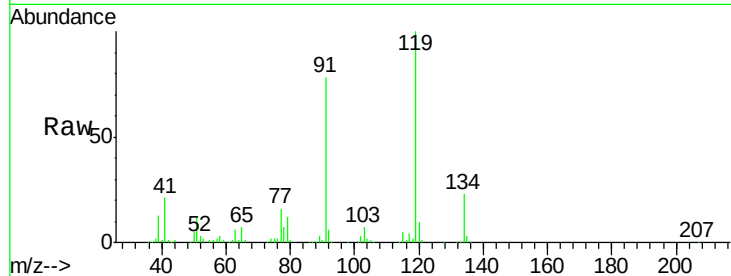
#83
 tert-Butylbenzene
 Concen: 22.881 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184276		
91	75.6		38.3	114.9
134	24.8		11.3	33.8

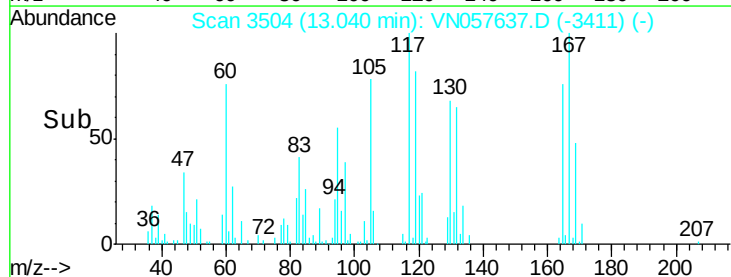
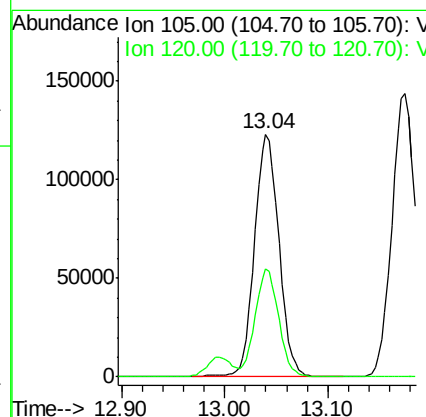
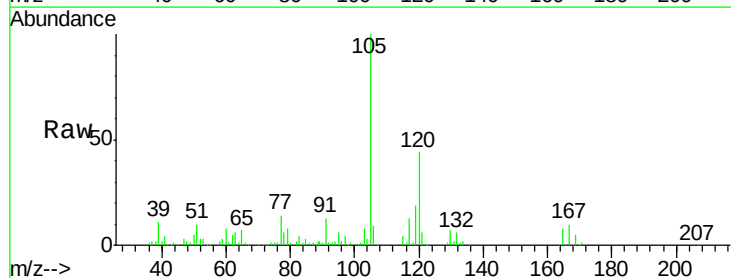
Manual Integrations
 APPROVED

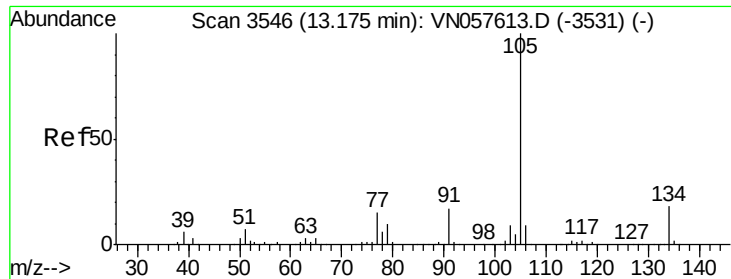
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.019 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	202197		
120	42.8		20.8	62.5





#85

sec-Butylbenzene

Concen: 21.372 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBS01

Tot Ion:105 Resp: 231524

Ion Ratio Lower Upper

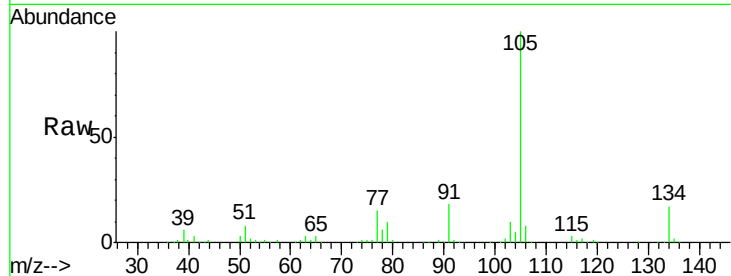
105 100

134 18.0 8.9 26.8

Manual Integrations
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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

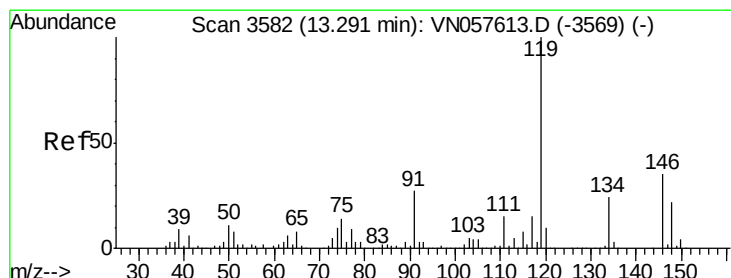
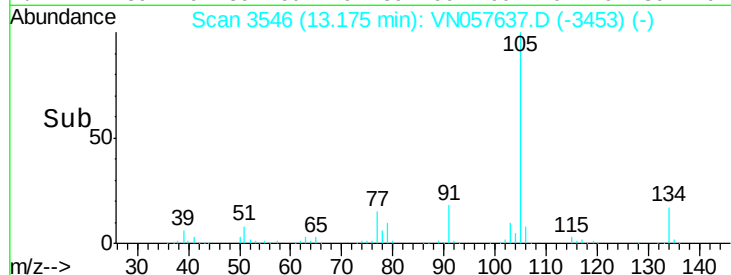
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.146 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

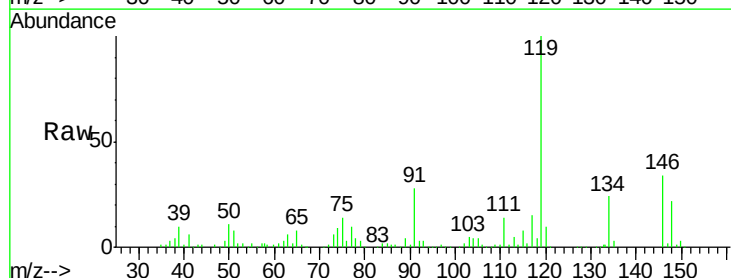
Tgt Ion:119 Resp: 189442

Ion Ratio Lower Upper

119 100

134 24.7 11.9 35.5

91 29.1 13.7 41.0



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

13.29

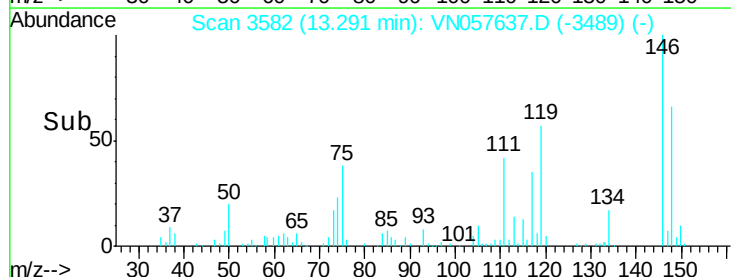
150000

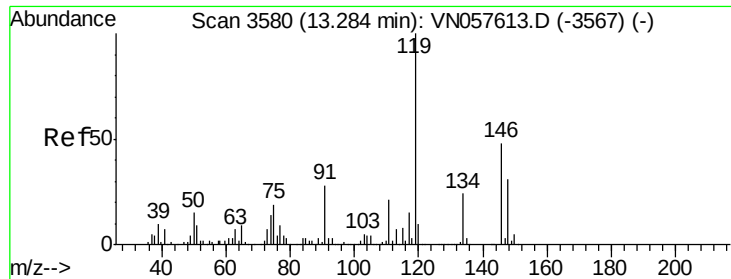
100000

50000

0

Time-->





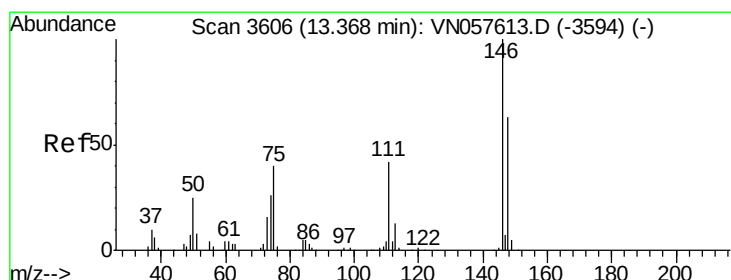
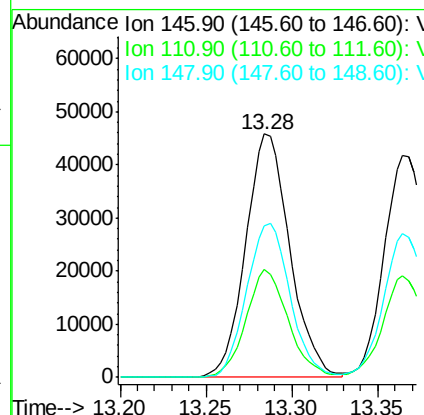
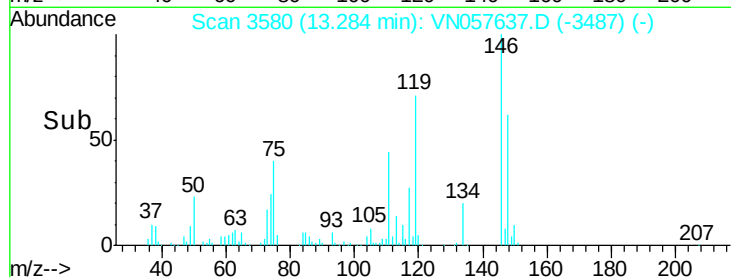
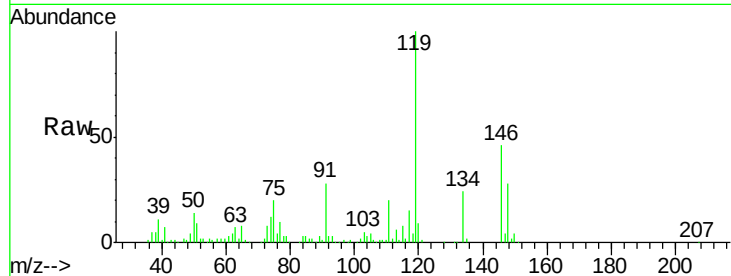
#87
 1,3-Dichlorobenzene
 Concen: 20.427 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.8	65.3
148	62.1	31.4	94.2

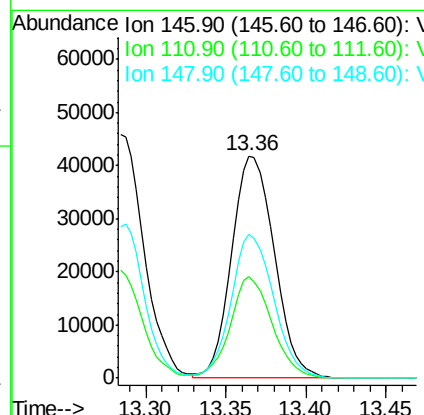
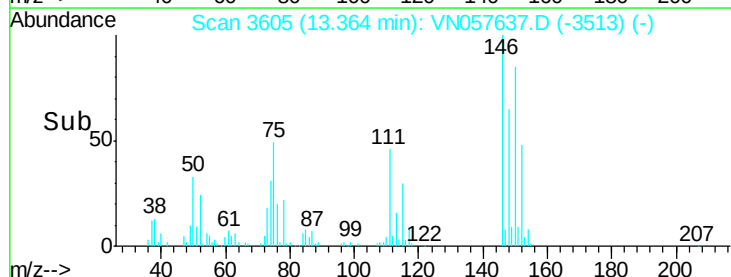
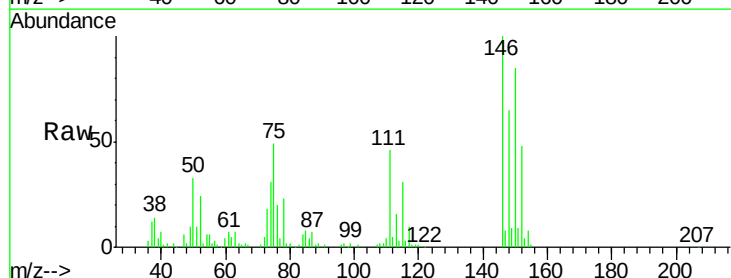
Manual Integrations
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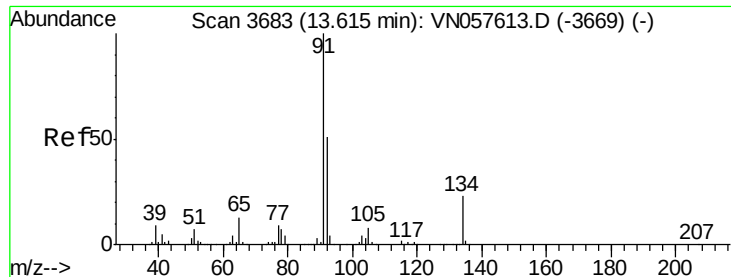
MMDadoda
 9/3/2019 11:02:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.749 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.6	65.0
148	64.6	32.2	96.6





#89

n-Butylbenzene

Concen: 21.755 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

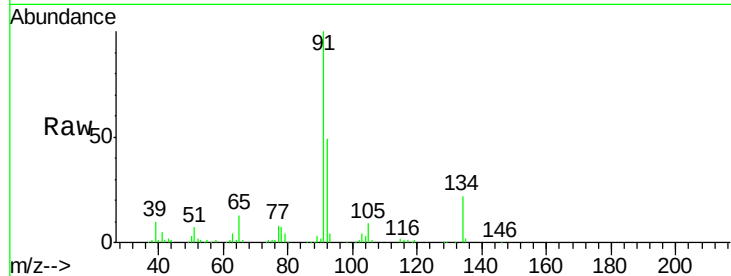
ClientSampled :

VN0902MBS01

Tot Ion:	91	Resp:	182647
Ion Ratio	Lower	Upper	
91	100		
92	49.5	25.4	76.0
134	21.6	11.0	33.0

Manual Integrations
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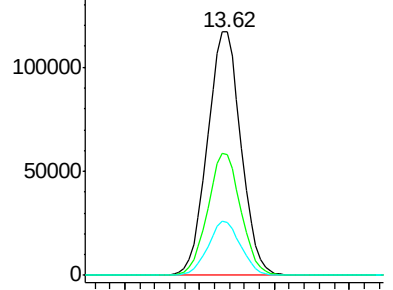
MMDadoda
9/3/2019 11:02:50 AM



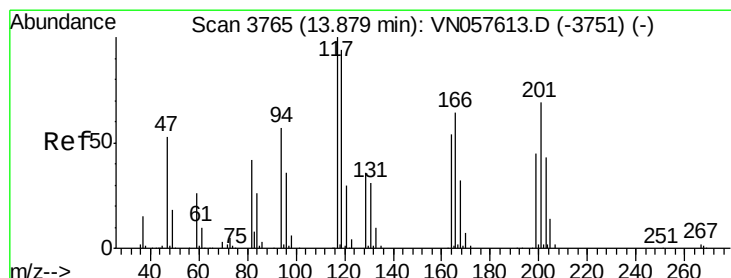
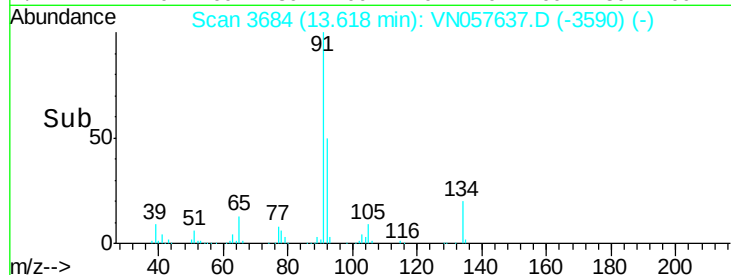
Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057613.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057613.D (-3669) (-)



Time-->



#90

Hexachloroethane

Concen: 20.264 ug/l

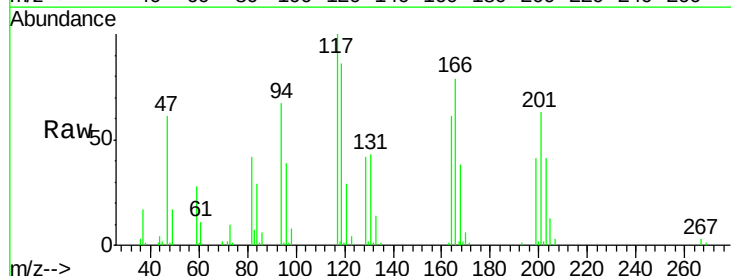
RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

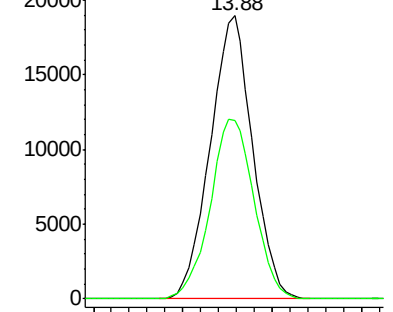
Tgt Ion:	117	Resp:	31518
Ion Ratio	Lower	Upper	
117	100		
201	65.4	34.4	103.2



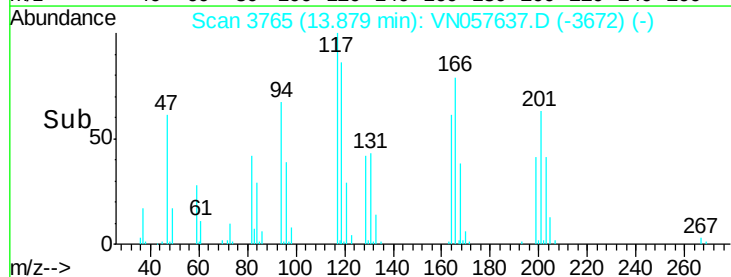
Abundance Ion 116.80 (116.50 to 117.50): VN057613.D (-3751) (-)

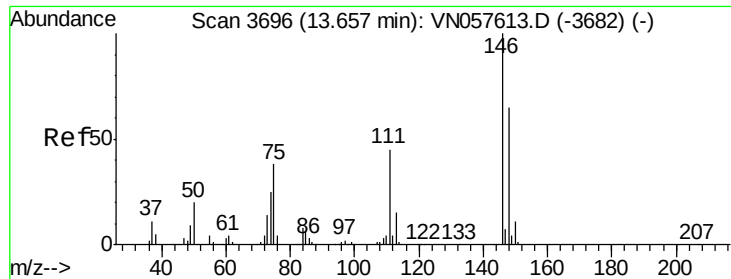
Ion 200.70 (200.40 to 201.40): VN057613.D (-3751) (-)

Ion 267.00 (266.70 to 267.70): VN057613.D (-3751) (-)



Time-->





#91

1,2-Dichlorobenzene

Concen: 20.443 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

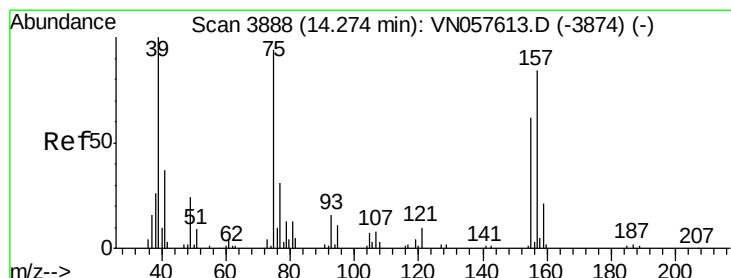
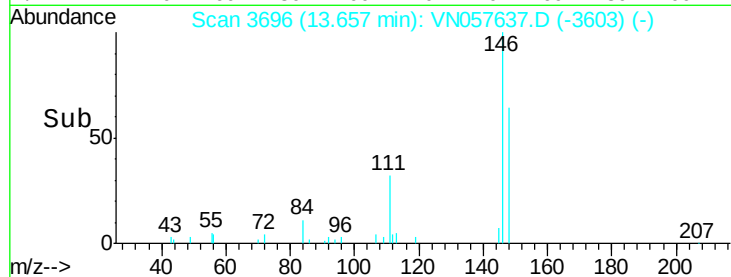
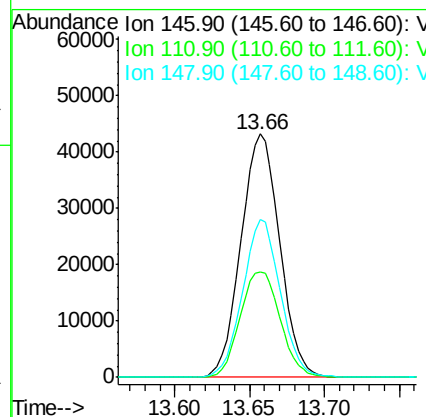
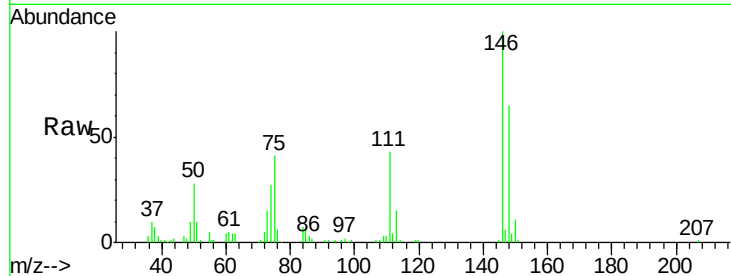
ClientSampleId :

VN0902MBS01

Tot Ion:	146	Resp:	78042
Ion Ratio	Lower	Upper	
146	100		
111	44.8	22.1	66.5
148	63.0	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.164 ug/l

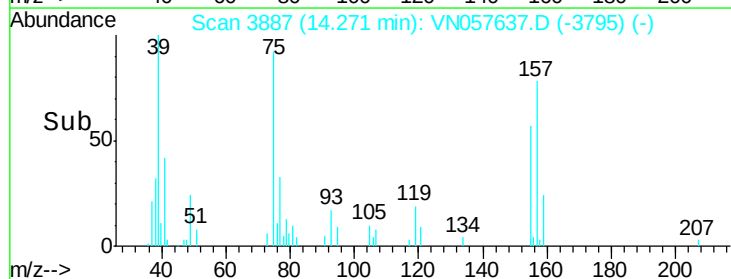
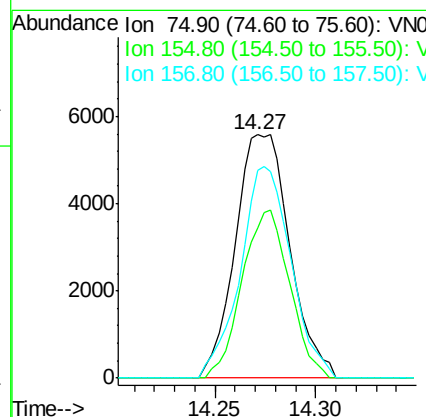
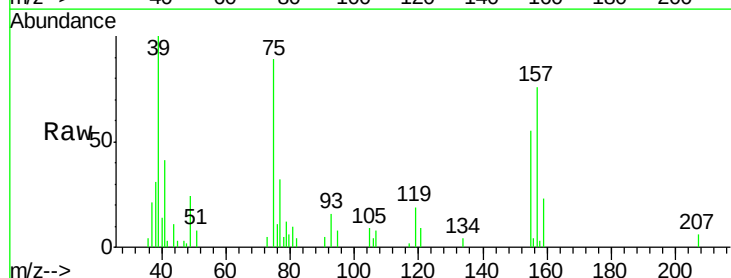
RT: 14.27 min Scan# 3887

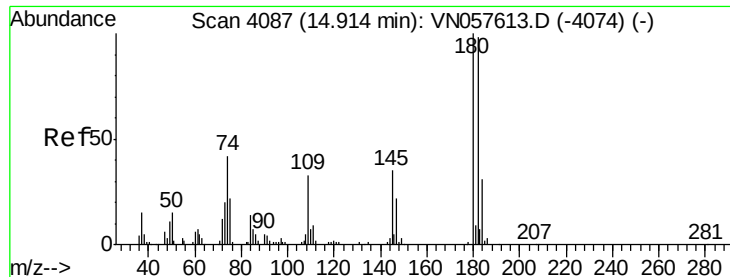
Delta R.T. -0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Tgt Ion:	75	Resp:	10558
Ion Ratio	Lower	Upper	
75	100		
155	60.2	30.1	90.5
157	80.8	41.4	124.4





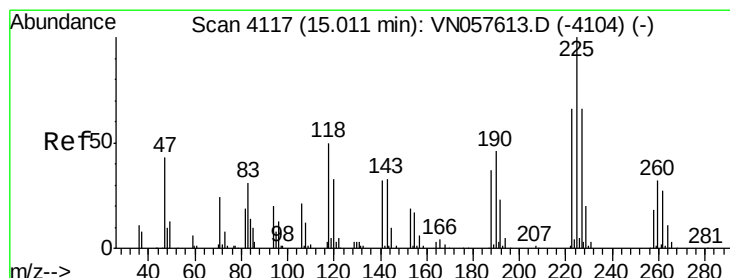
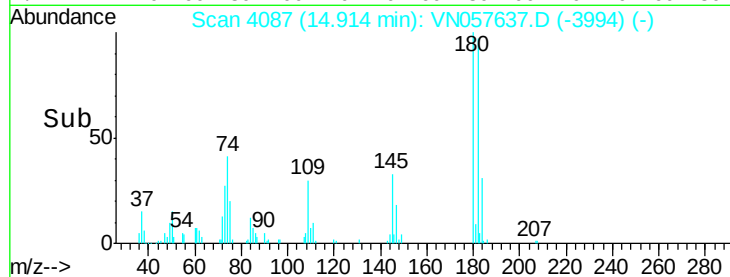
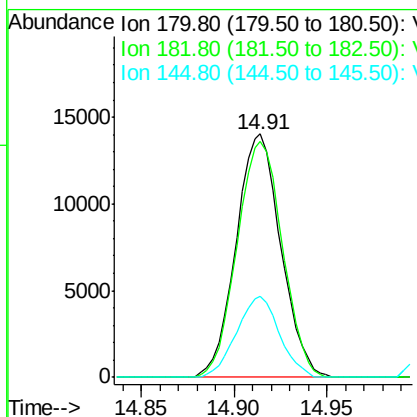
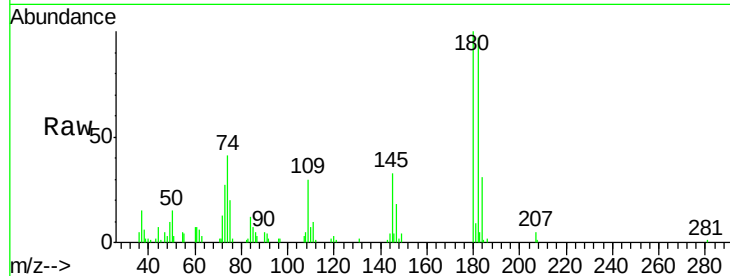
#93
 1,2,4-Trichlorobenzene
 Concen: 20.114 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	23477		
182	98.2	47.8	143.3	
145	31.9	16.9	50.7	

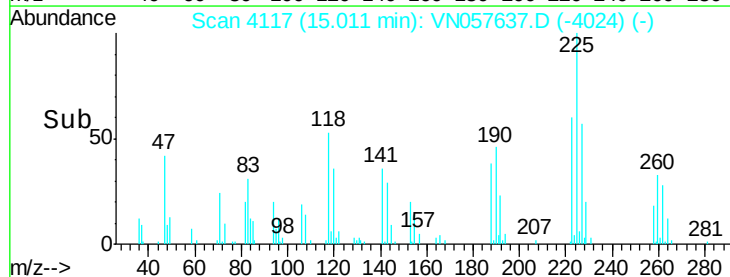
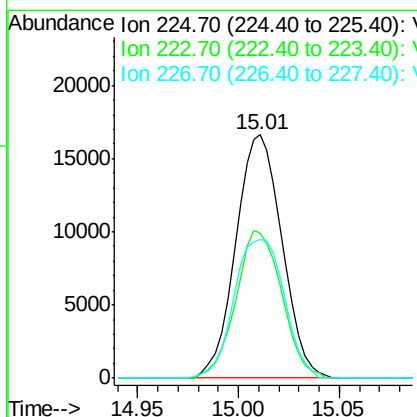
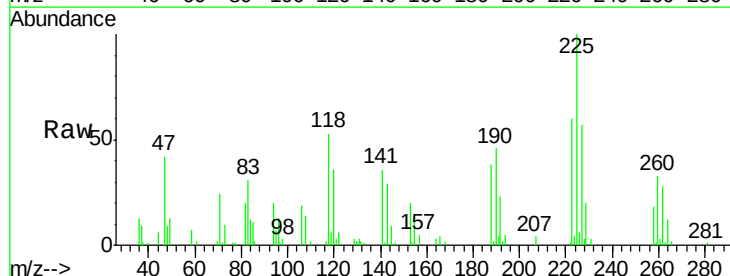
Manual Integrations
 APPROVED

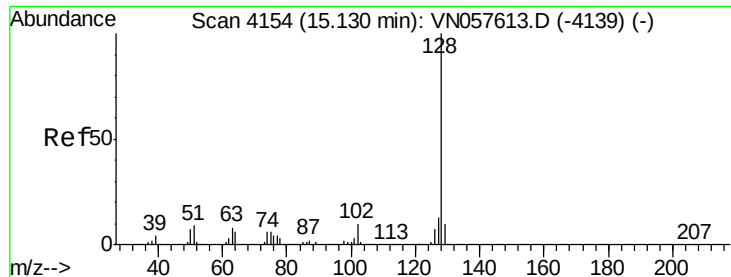
MMDadoda
 9/3/2019 11:02:50 AM



#94
 Hexachlorobutadiene
 Concen: 20.348 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057637.D
 Acq: 1 Sep 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26657		
223	60.3	32.3	96.8	
227	62.1	32.4	97.2	





#95

Naphthalene

Concen: 19.190 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Instrument :

MSVOA_N

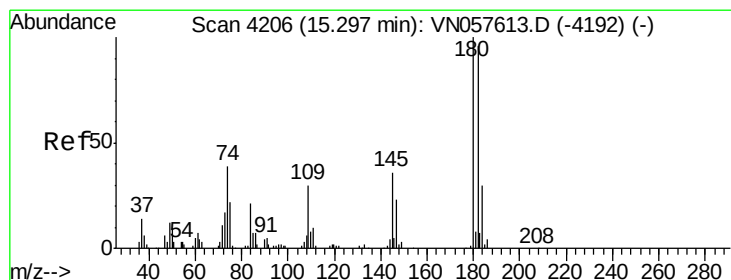
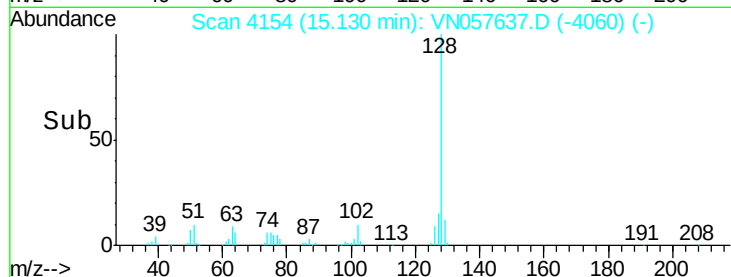
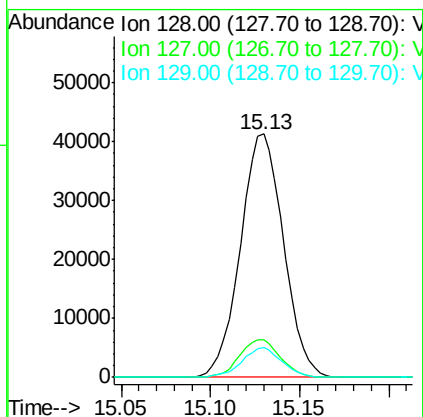
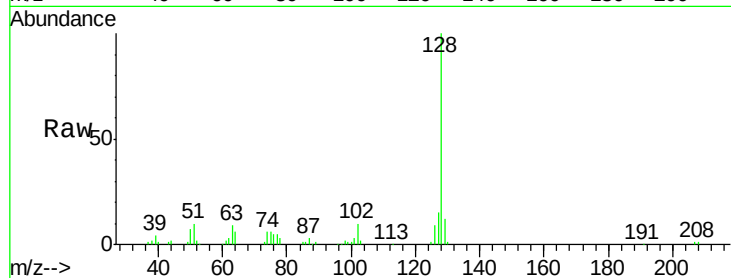
ClientSampled :

VN0902MBS01

Tot Ion:	128	Resp:	69801
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.2	15.2
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.041 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057637.D

Acq: 1 Sep 2019 12:15

Tgt Ion:	180	Resp:	22129
Ion Ratio	Lower	Upper	
180	100		
182	99.6	46.3	138.9
145	33.7	17.8	53.3

