

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056357.D
 Acq On : 18 Jun 2019 11:45
 Operator : JC/SP
 Sample : VN0618WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:19:43 PM

Quant Time: Jun 19 02:26:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	359427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	549371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	205143	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	7.59	113	175829	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	10.09	98	679704	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.40	95	224239	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	64504	20.412	ug/l 99
3) Chloromethane	2.06	50	82243	19.410	ug/l 100
4) Vinyl Chloride	2.18	62	82308	19.766	ug/l 100
5) Bromomethane	2.52	94	46248m	19.093	ug/l
6) Chloroethane	2.67	64	41881	17.365	ug/l 97
7) Trichlorofluoromethane	3.00	101	104080	19.571	ug/l 96
8) Diethyl Ether	3.40	74	41693	19.765	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66742	19.404	ug/l 100
10) Methyl Iodide	3.94	142	84096	19.105	ug/l 99
11) Tert butyl alcohol	4.82	59	59931	94.240	ug/l 98
12) 1,1-Dichloroethene	3.72	96	63509	19.040	ug/l 97
13) Acrolein	3.60	56	16752	94.050	ug/l 99
14) Allyl chloride	4.31	41	103765	18.550	ug/l 97
15) Acrylonitrile	4.99	53	185097	101.840	ug/l 99
16) Acetone	3.82	43	196687	88.076	ug/l 100
17) Carbon Disulfide	4.04	76	138346	15.501	ug/l 98
18) Methyl Acetate	4.33	43	79333	19.285	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	204617	20.115	ug/l 98
20) Methylene Chloride	4.54	84	76713	19.454	ug/l 97
21) trans-1,2-Dichloroethene	5.03	96	67897	19.137	ug/l 96
22) Diisopropyl ether	5.95	45	222699	20.252	ug/l 99
23) Vinyl Acetate	5.90	43	889366	99.409	ug/l 100
24) 1,1-Dichloroethane	5.84	63	126852	19.676	ug/l 99
25) 2-Butanone	6.85	43	262488	96.975	ug/l 100
26) 2,2-Dichloropropane	6.82	77	83330	17.874	ug/l 99
27) cis-1,2-Dichloroethene	6.82	96	79106	19.250	ug/l 99
28) Bromochloromethane	7.19	49	66558	20.616	ug/l 98
29) Tetrahydrofuran	7.22	42	164385	102.241	ug/l 99
30) Chloroform	7.37	83	125319	19.514	ug/l 99
31) Cyclohexane	7.65	56	121788	19.552	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	97138	18.260	ug/l 99
36) 1,1-Dichloropropene	7.79	75	95896	19.398	ug/l 98
37) Ethyl Acetate	6.94	43	100215	21.390	ug/l 99
38) Carbon Tetrachloride	7.77	117	81958	17.272	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116025	19.241	ug/l	98
40) Benzene	8.04	78	293701	19.584	ug/l	99
41) Methacrylonitrile	7.18	41	42592	19.798	ug/l	95
42) 1,2-Dichloroethane	8.12	62	97617	19.849	ug/l	99
43) Isopropyl Acetate	8.17	43	141418	18.870	ug/l	99
44) Trichloroethene	8.83	130	79686	19.539	ug/l	96
45) 1,2-Dichloropropane	9.12	63	80062	20.200	ug/l	99
46) Dibromomethane	9.21	93	51478	19.545	ug/l	98
47) Bromodichloromethane	9.40	83	87677	17.424	ug/l	100
48) Methyl methacrylate	9.20	41	70130	18.547	ug/l	97
49) 1,4-Dioxane	9.21	88	29881	391.751	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	476650	99.791	ug/l	100
52) Toluene	10.16	92	181203	19.796	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	84884	16.989	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	105565	18.318	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	73507	19.540	ug/l	98
56) Ethyl methacrylate	10.43	69	105963	19.586	ug/l	99
57) 1,3-Dichloropropane	10.71	76	125333	19.780	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	192946	105.159	ug/l	99
59) 2-Hexanone	10.75	43	343410	96.942	ug/l	99
60) Dibromochloromethane	10.90	129	64520	16.352	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74240	19.199	ug/l	99
64) Tetrachloroethene	10.63	164	76911	19.037	ug/l	98
65) Chlorobenzene	11.43	112	195147	19.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	66468	17.801	ug/l	98
67) Ethyl Benzene	11.51	91	341297	19.824	ug/l	100
68) m/p-Xylenes	11.62	106	253294	39.529	ug/l	99
69) o-Xylene	11.95	106	124528	19.715	ug/l	98
70) Styrene	11.96	104	204316	20.035	ug/l	100
71) Bromoform	12.13	173	43379	14.949	ug/l #	99
73) Isopropylbenzene	12.25	105	331511	20.756	ug/l	100
74) N-amyl acetate	12.07	43	118007	19.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	101600	20.224	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	89345m	21.552	ug/l	
77) Bromobenzene	12.53	156	89896	21.572	ug/l	94
78) n-propylbenzene	12.59	91	350905	20.147	ug/l	100
79) 2-Chlorotoluene	12.67	91	218175	20.634	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	271121	20.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20100	15.064	ug/l #	81
82) 4-Chlorotoluene	12.77	91	204588	20.011	ug/l	99
83) tert-Butylbenzene	12.99	119	238041	20.762	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	260429	20.660	ug/l	100
85) sec-Butylbenzene	13.17	105	306529	20.066	ug/l	100
86) p-Isopropyltoluene	13.29	119	267773	20.478	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	130233	19.720	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	121396	19.129	ug/l	99
89) n-Butylbenzene	13.61	91	188129	19.243	ug/l	99
90) Hexachloroethane	13.87	117	37570	15.177	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	130483	20.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13350	15.923	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47942	18.048	ug/l	99
94) Hexachlorobutadiene	15.01	225	47266	19.874	ug/l	98
95) Naphthalene	15.13	128	141488	19.114	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57619	18.925	ug/l	100

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

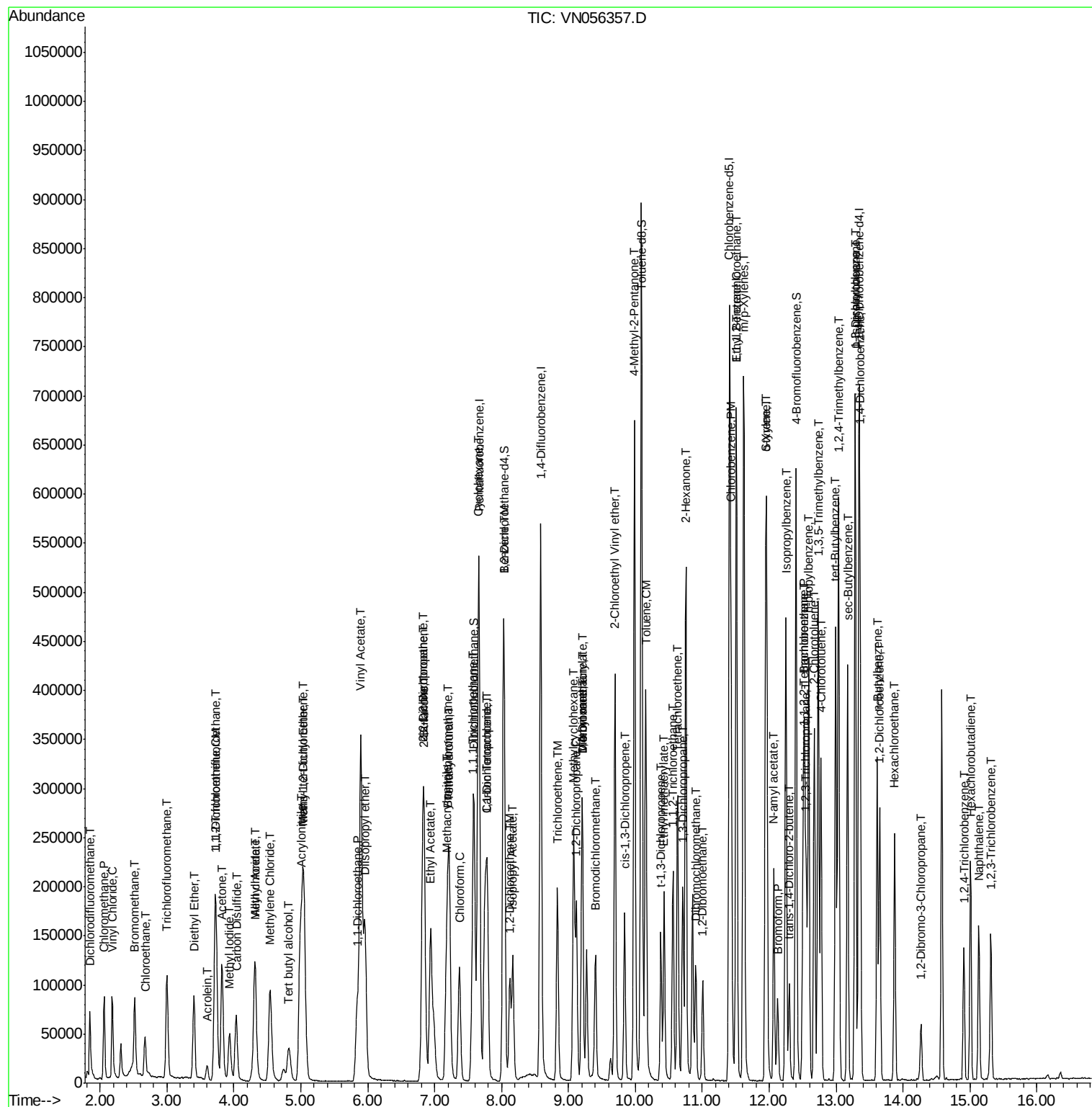
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
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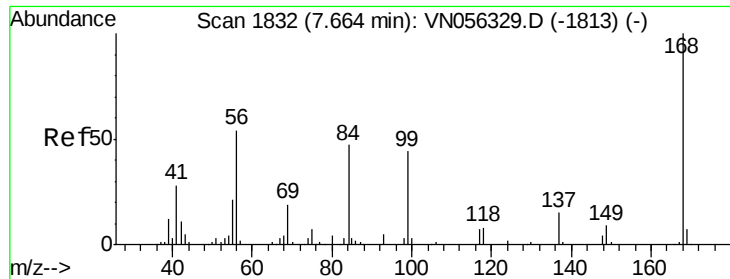
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion:168 Resp: 359427

Ion Ratio Lower Upper

168 100

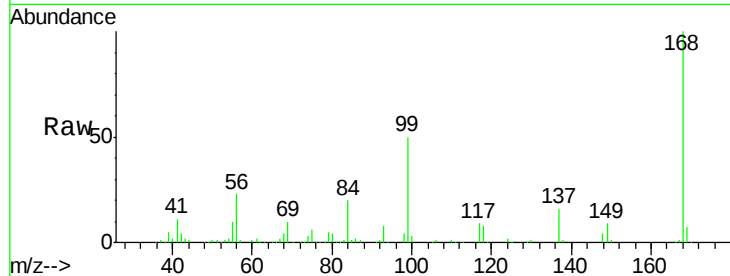
99 49.9 40.2 60.2

Manual Integrations

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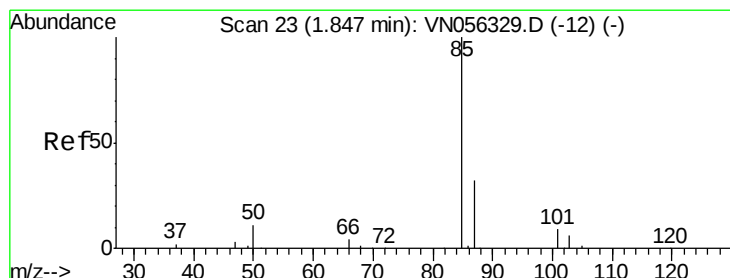
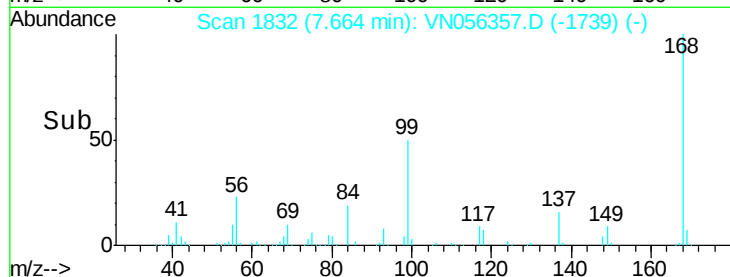
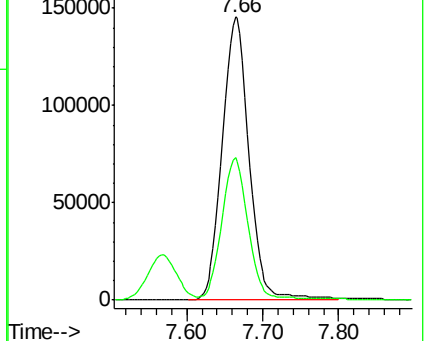
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.412 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056357.D

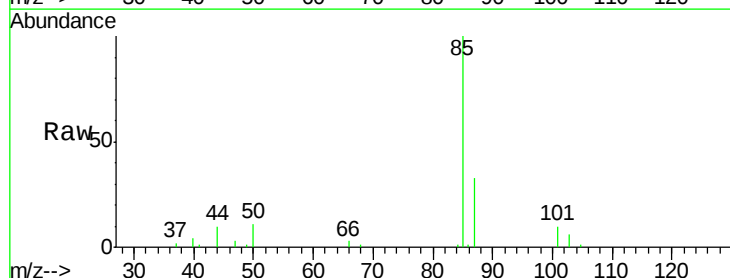
Acq: 18 Jun 2019 11:45

Tgt Ion: 85 Resp: 64504

Ion Ratio Lower Upper

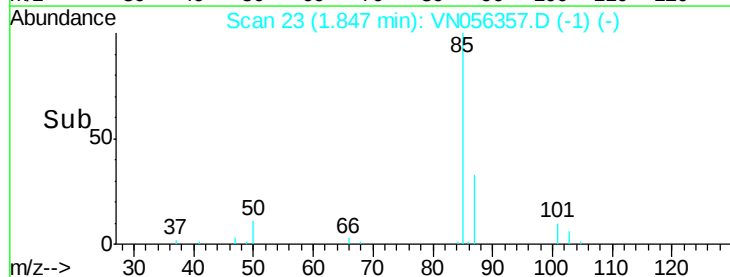
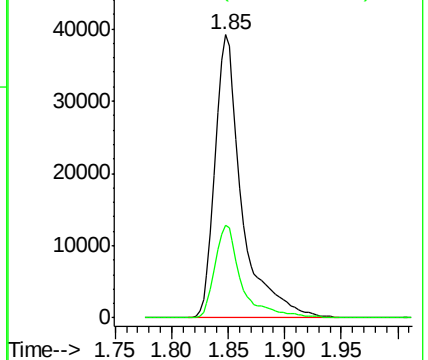
85 100

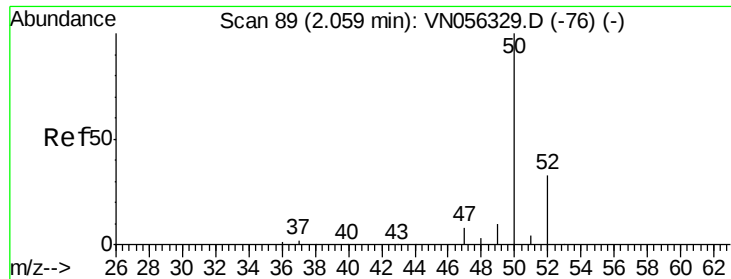
87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.410 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 50 Resp: 82243

Ion Ratio Lower Upper

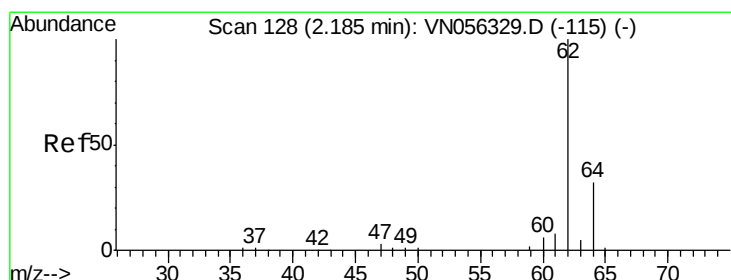
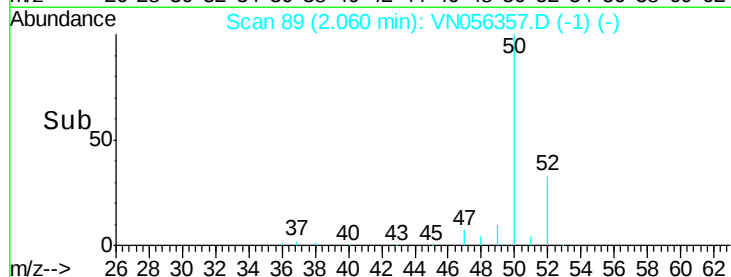
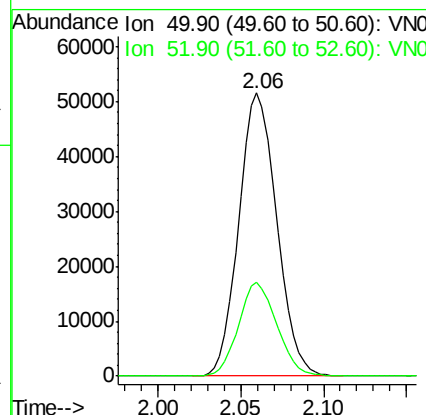
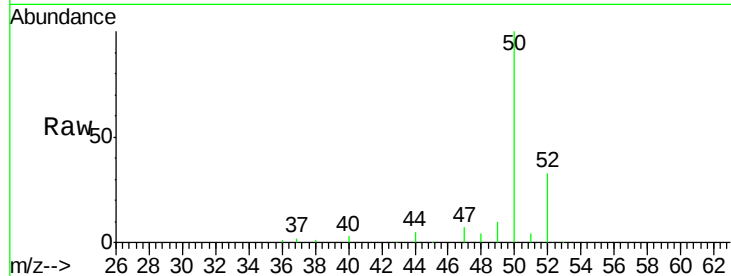
50 100

52 33.2 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.766 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056357.D

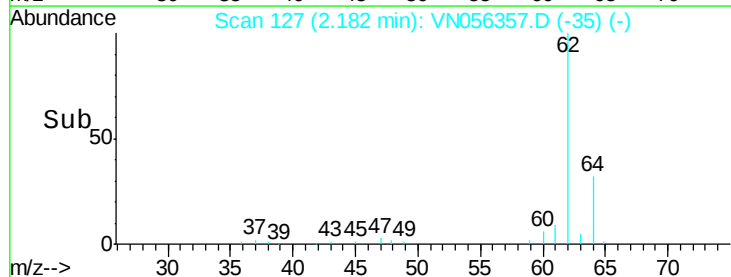
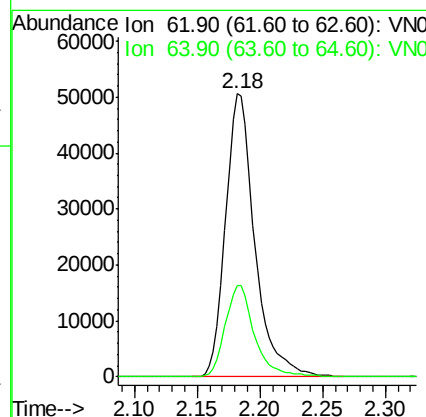
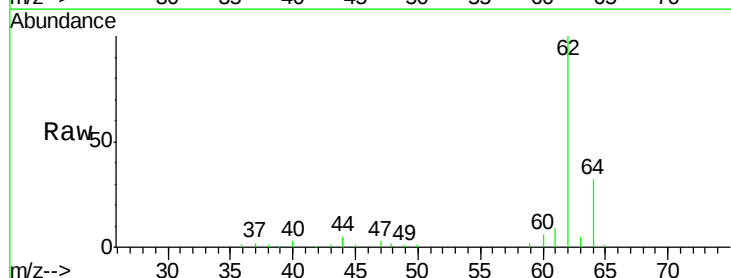
Acq: 18 Jun 2019 11:45

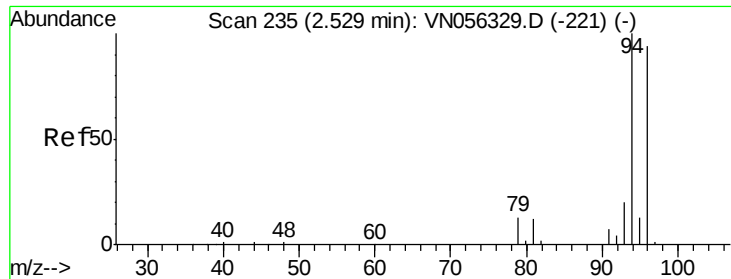
Tgt Ion: 62 Resp: 82308

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5





#5

Bromomethane

Concen: 19.093 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 46248

Ion Ratio Lower Upper

94 100

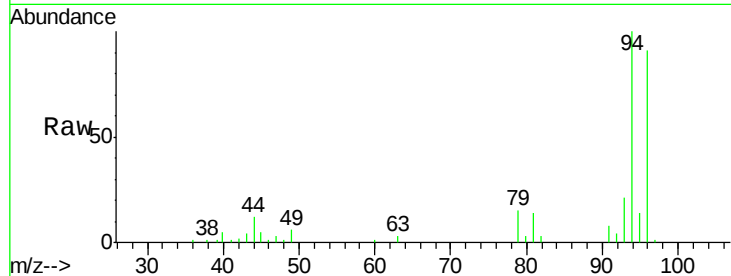
96 91.4 74.9 112.3

Manual Integrations

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6/19/2019 12:19:43 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

30000

25000

20000

15000

10000

5000

0

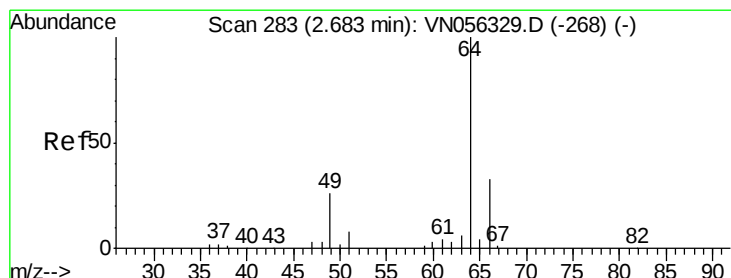
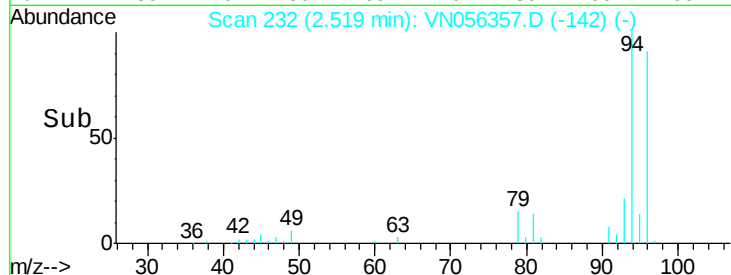
Time-->

2.40

2.50

2.60

2.70



#6

Chloroethane

Concen: 17.365 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN056357.D

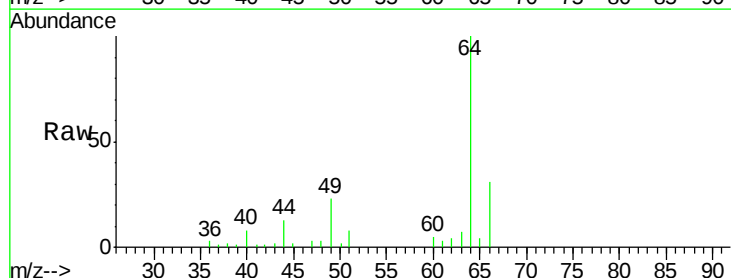
Acq: 18 Jun 2019 11:45

Tgt Ion: 64 Resp: 41881

Ion Ratio Lower Upper

64 100

66 31.3 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

20000

15000

10000

5000

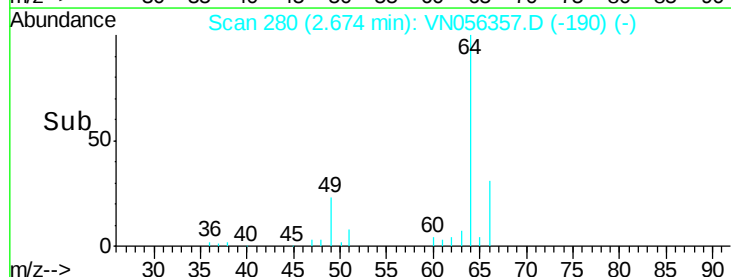
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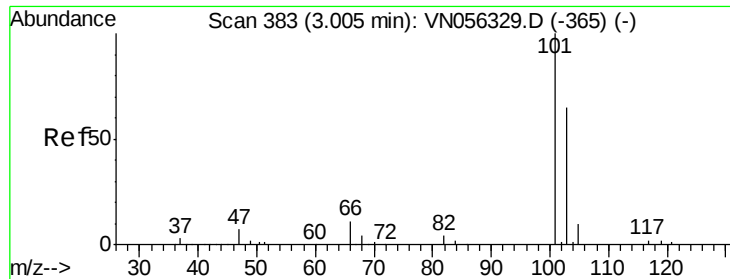
Time-->

2.60

2.65

2.70





#7

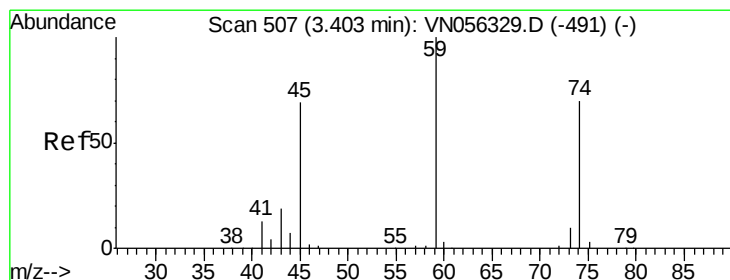
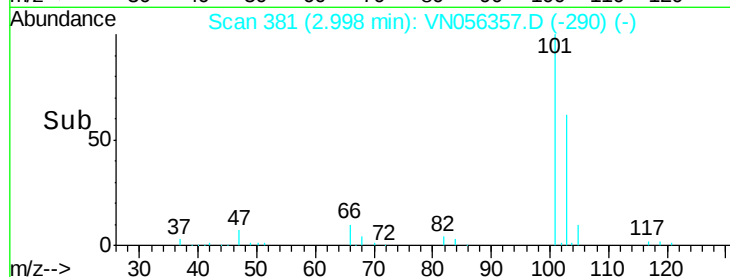
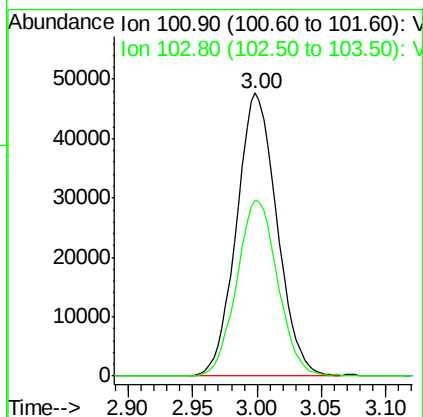
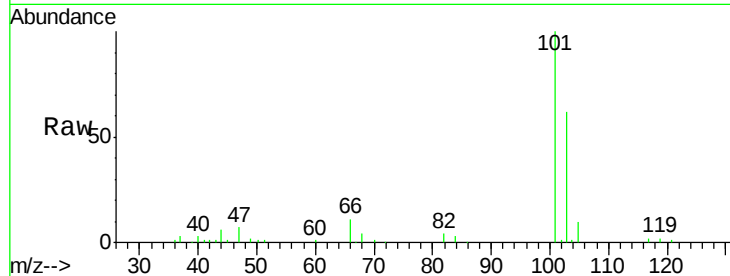
Trichlorofluoromethane
 Concen: 19.571 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VN056357.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	52.1	78.1

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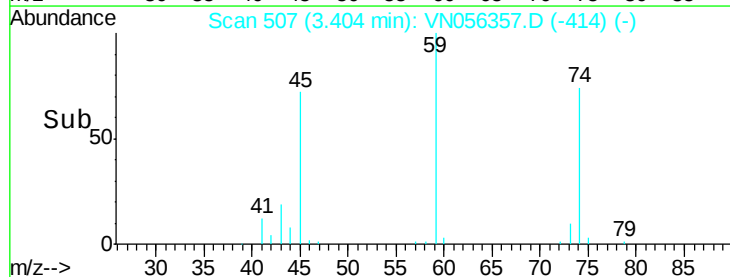
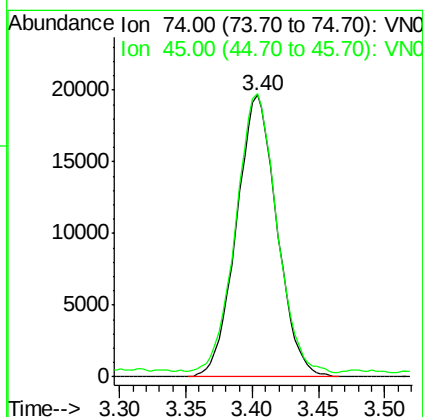
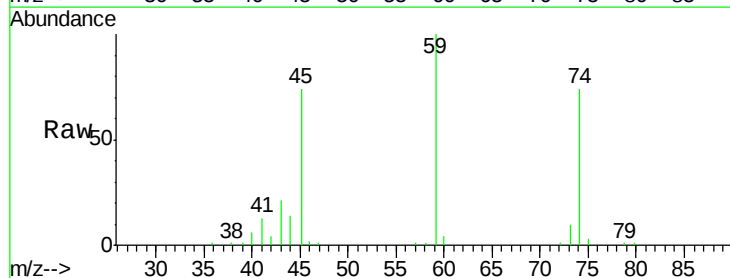
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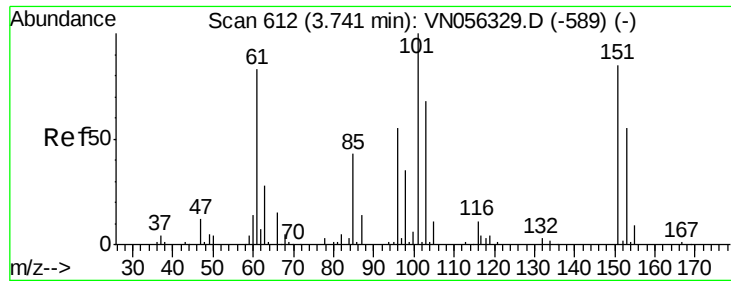


#8

Diethyl Ether
 Concen: 19.765 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056357.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.0	147.0





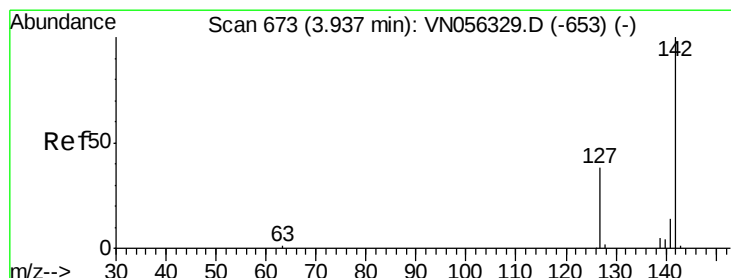
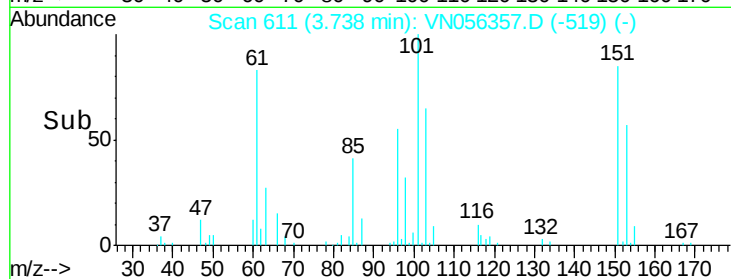
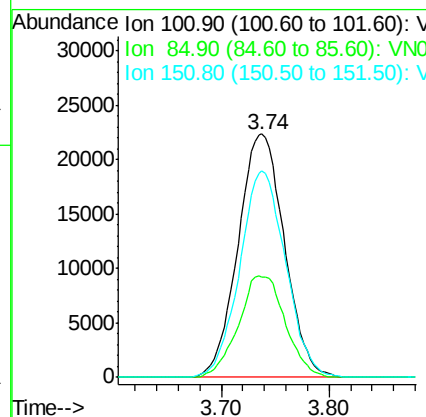
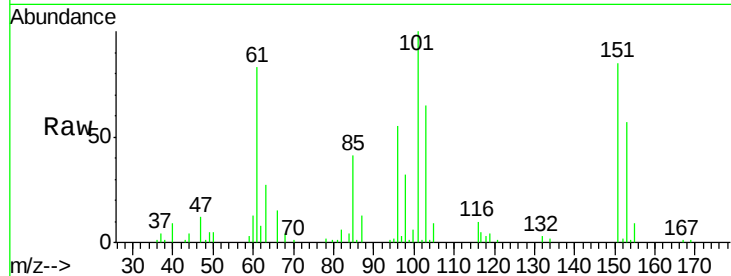
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.404 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.8	50.8
151	84.0	67.4	101.0

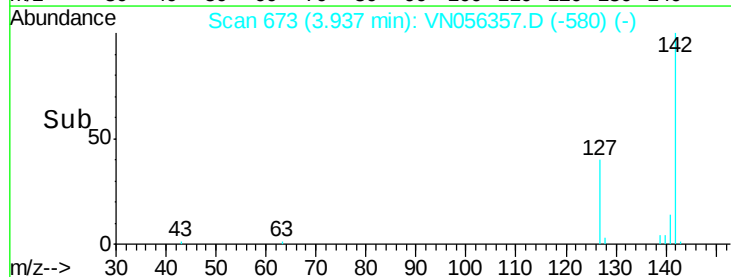
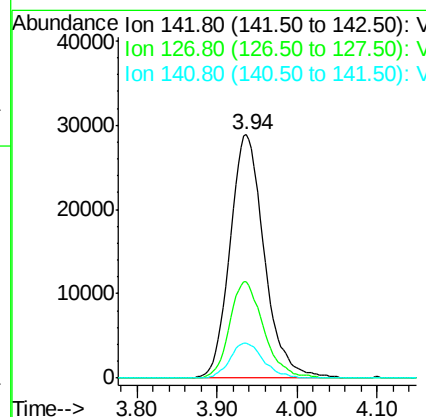
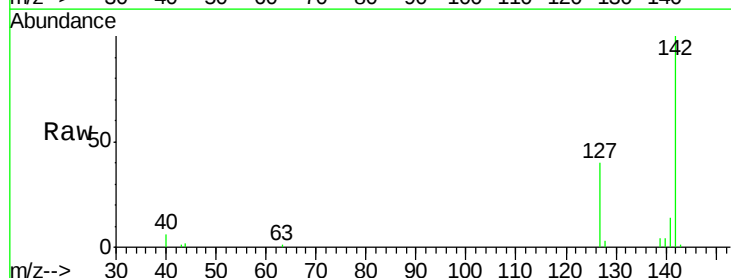
Manual Integrations
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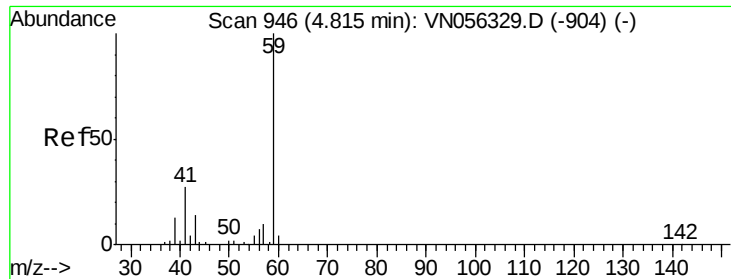
MMDadoda
6/19/2019 12:19:43 PM



#10
Methyl Iodide
Concen: 19.105 ug/l
RT: 3.94 min Scan# 673
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.4	30.8	46.2
141	14.0	11.4	17.2





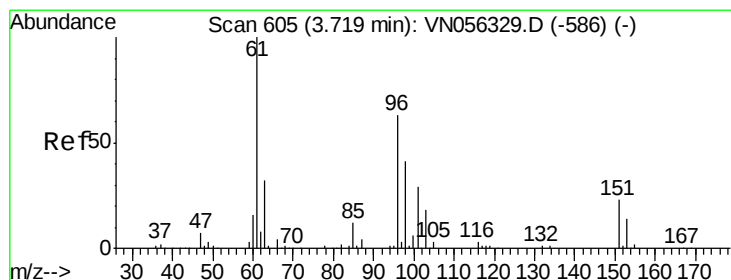
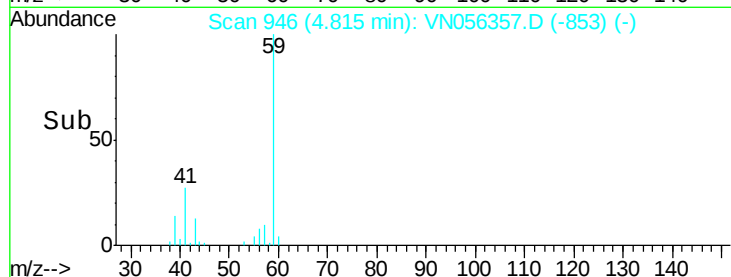
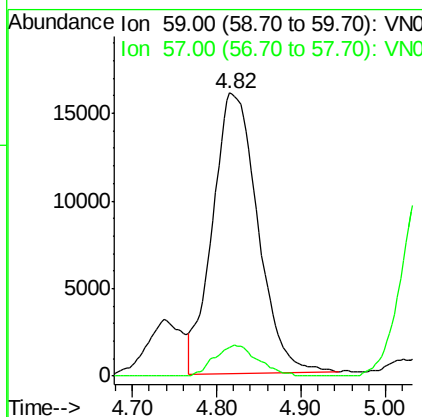
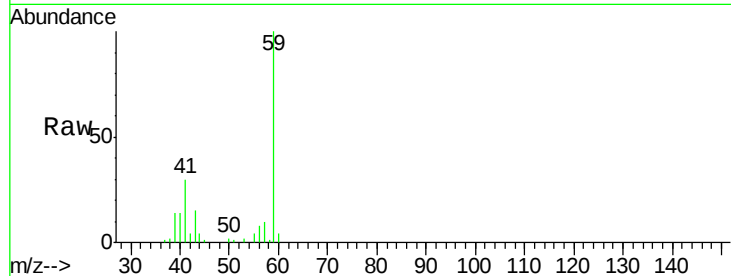
#11
Tert butyl alcohol
Concen: 94.240 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 59 Resp: 59931
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.8

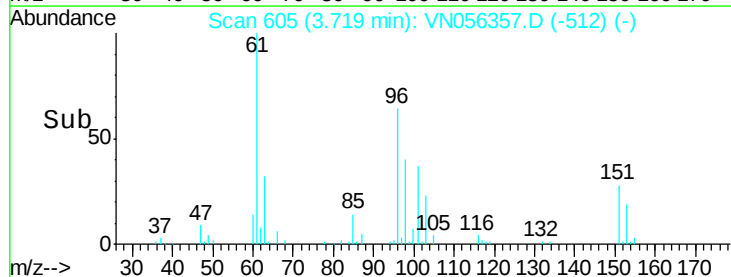
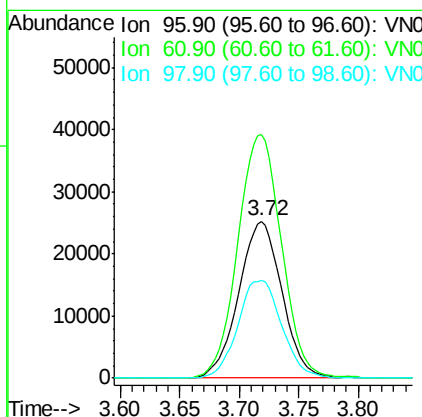
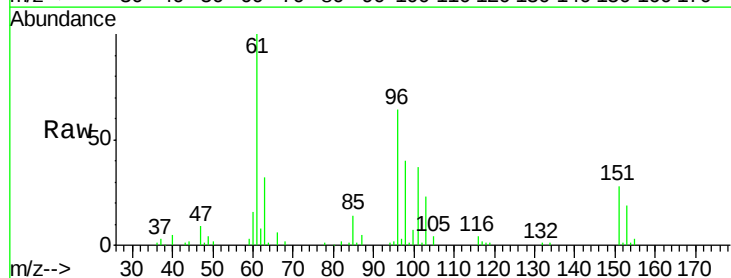
Manual Integrations
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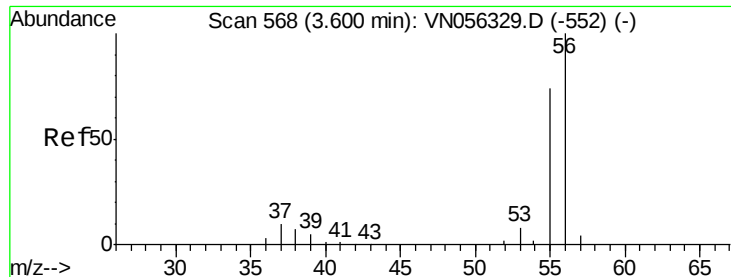
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.040 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion: 96 Resp: 63509
Ion Ratio Lower Upper
96 100
61 155.5 127.4 191.2
98 62.1 51.7 77.5





#13

Acrolein

Concen: 94.050 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 56 Resp: 16752

Ion Ratio Lower Upper

56 100

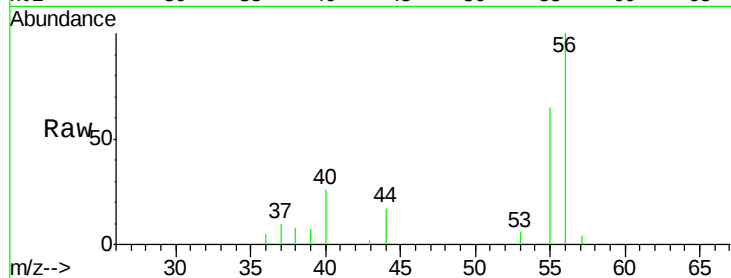
55 70.0 56.4 84.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

8000

6000

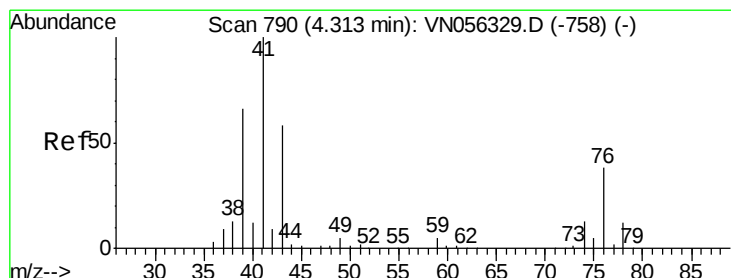
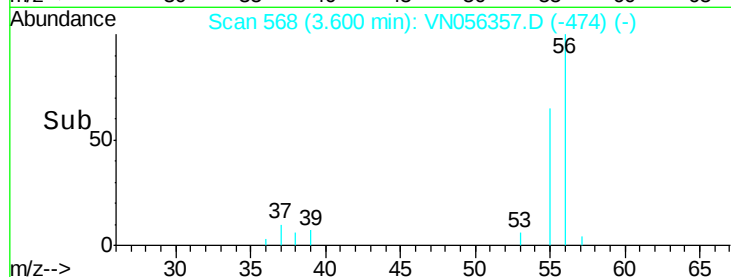
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.550 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

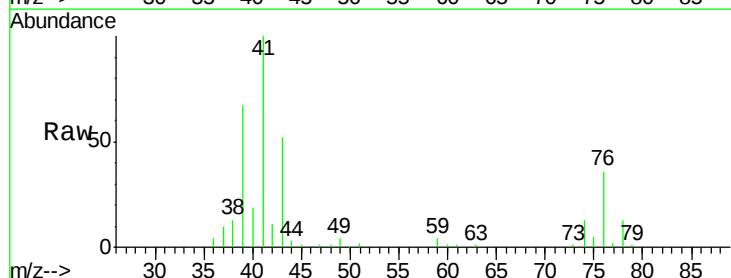
Tgt Ion: 41 Resp: 103765

Ion Ratio Lower Upper

41 100

39 62.8 48.9 73.3

76 31.6 27.2 40.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

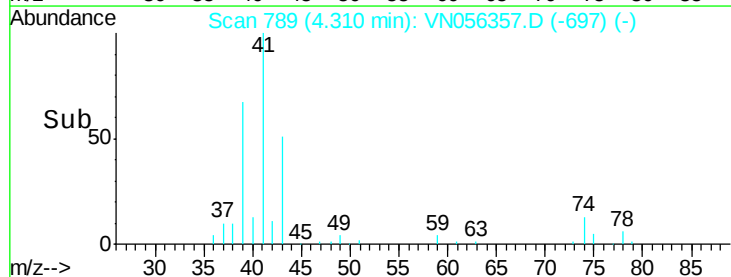
20000

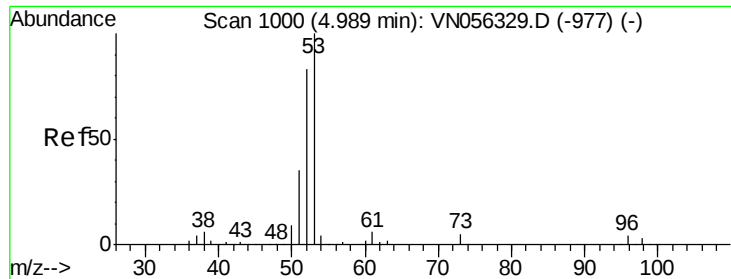
10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 101.840 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

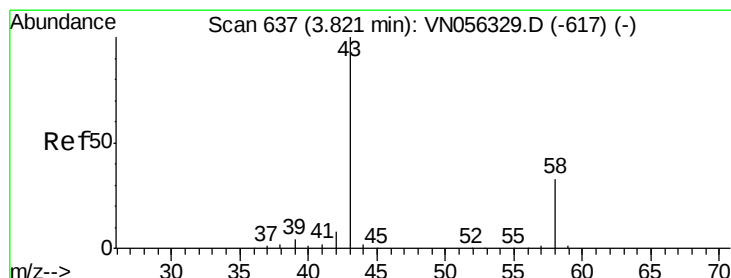
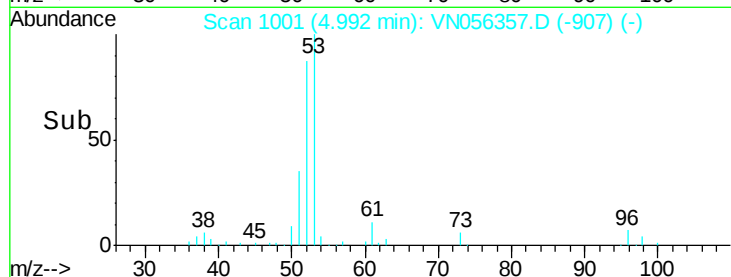
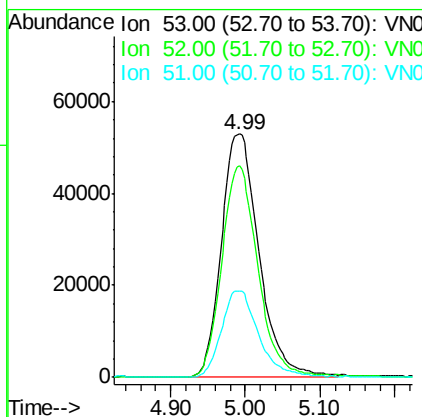
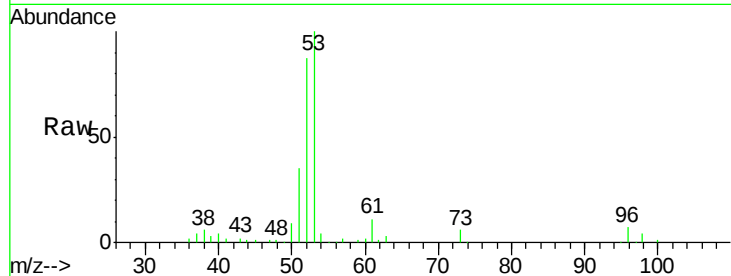
ClientSampleId :

VN0618WBS02

Tot Ion:	53	Resp:	185097
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.4	98.2
51	35.1	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 88.076 ug/l

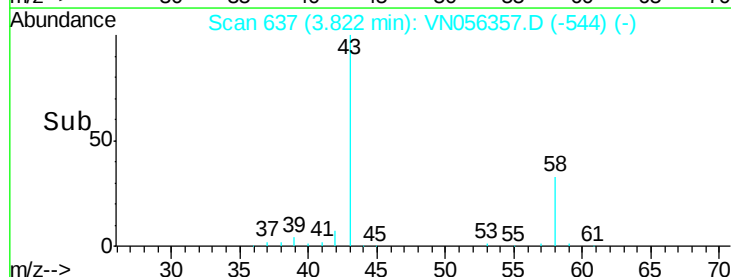
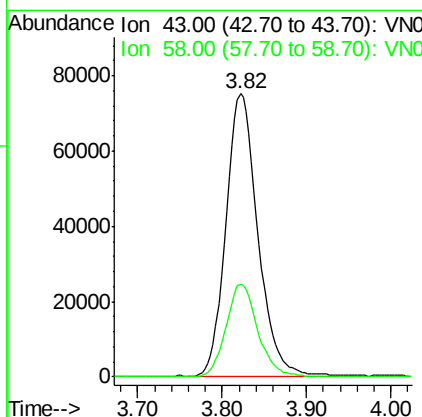
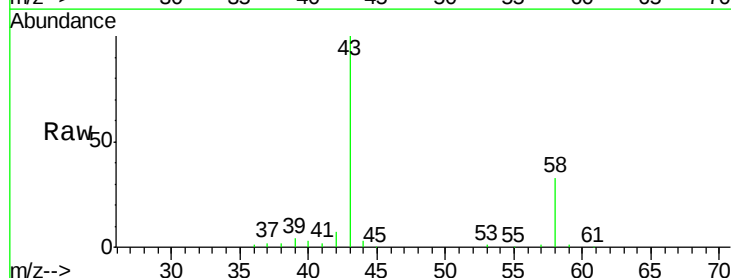
RT: 3.82 min Scan# 637

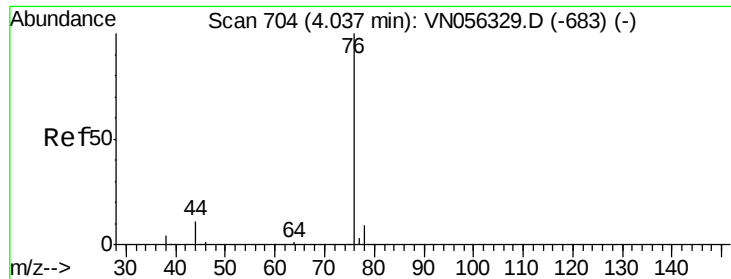
Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Tgt Ion:	43	Resp:	196687
Ion Ratio		Lower	Upper
43	100		
58	33.0	26.5	39.7





#17

Carbon Disulfide

Concen: 15.501 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 76 Resp: 138346

Ion Ratio Lower Upper

76 100

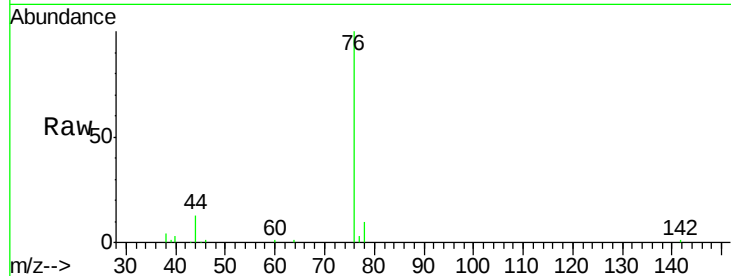
78 9.8 7.3 10.9

Manual Integrations

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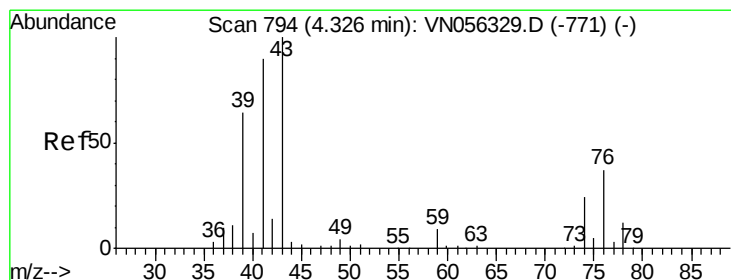
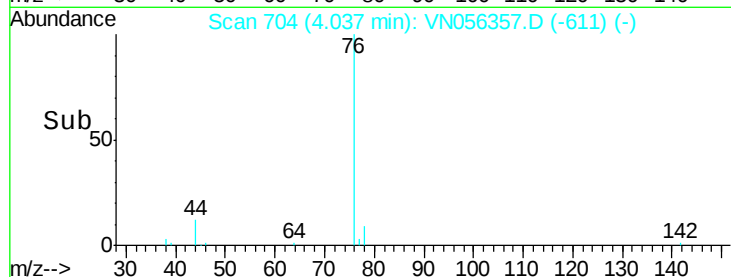
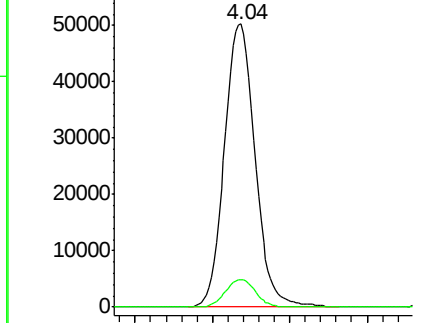
MMDadoda

6/19/2019 12:19:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 19.285 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN056357.D

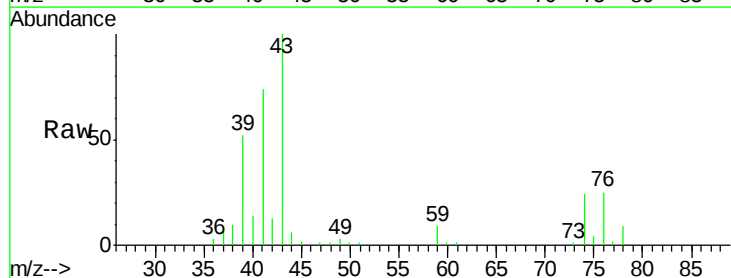
Acq: 18 Jun 2019 11:45

Tgt Ion: 43 Resp: 79333

Ion Ratio Lower Upper

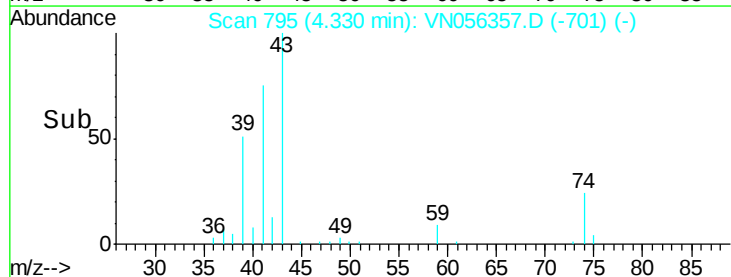
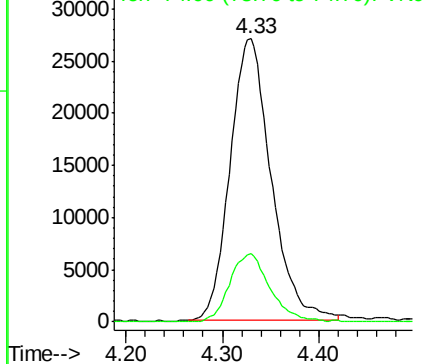
43 100

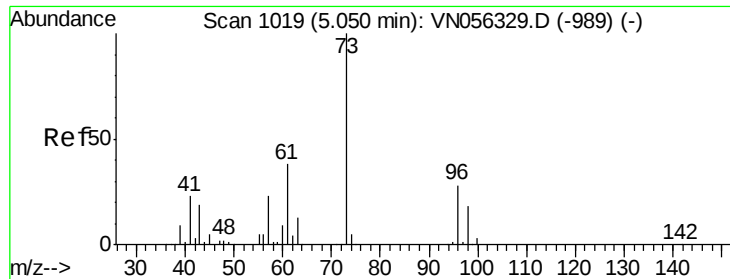
74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





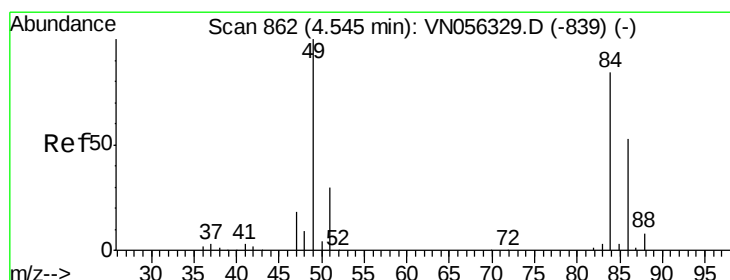
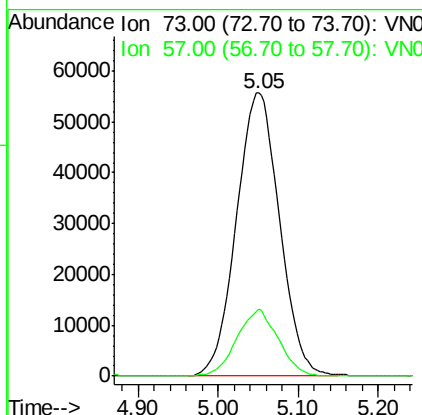
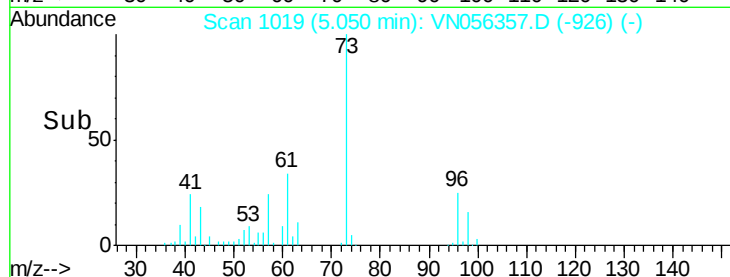
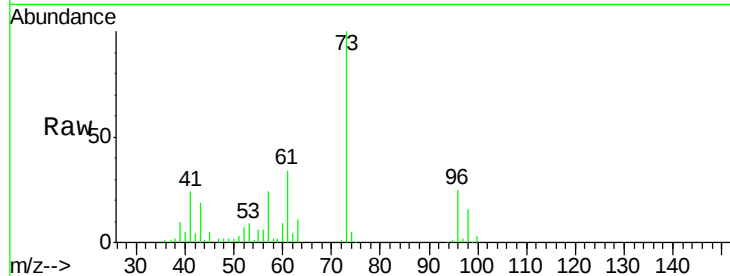
#19
Methvl tert-butvl Ether
Concen: 20.115 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 73 Resp: 204617
Ion Ratio Lower Upper
73 100
57 23.5 18.1 27.1

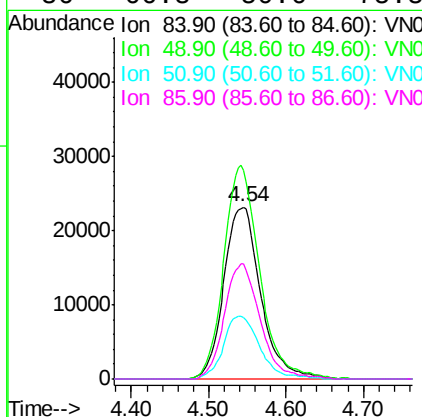
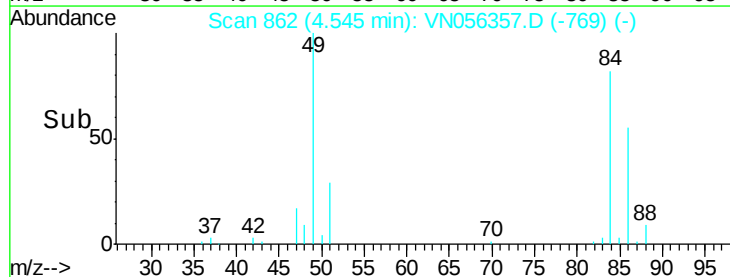
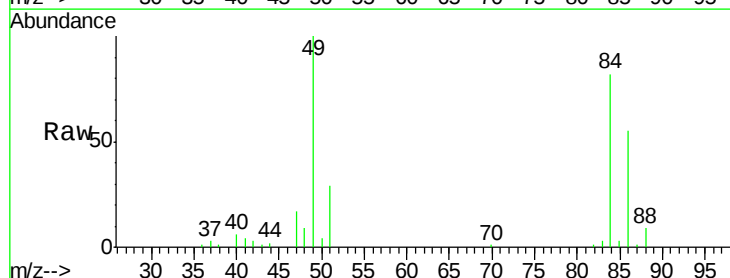
Manual Integrations
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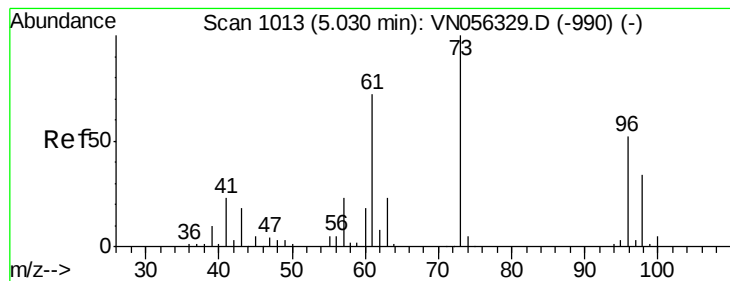
MMDadoda
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#20
Methylene Chloride
Concen: 19.454 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion: 84 Resp: 76713
Ion Ratio Lower Upper
84 100
49 121.5 95.0 142.6
51 35.7 28.2 42.4
86 66.8 50.6 75.8





#21

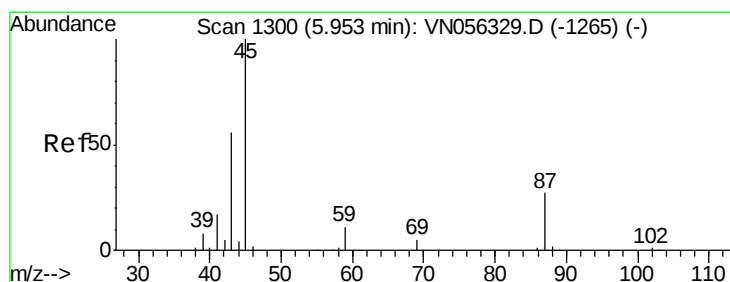
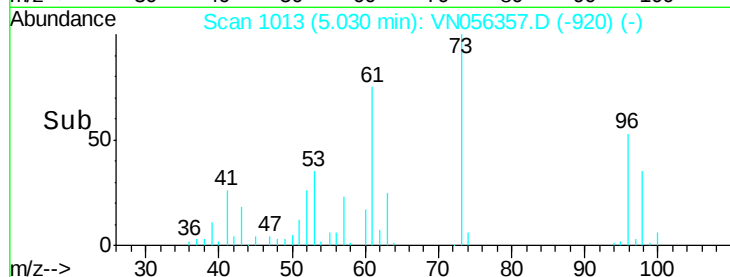
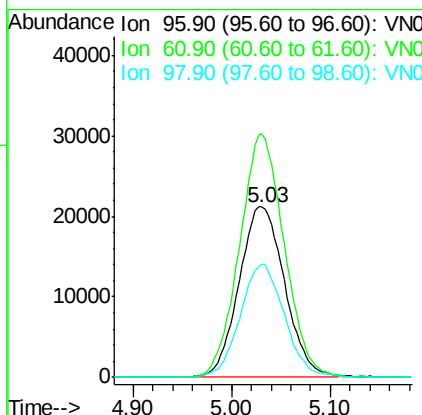
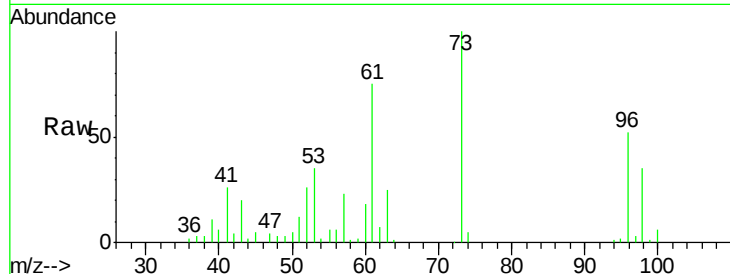
trans-1,2-Dichloroethene
Concen: 19.137 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.7	109.8	164.6
98	66.5	52.0	78.0

Manual Integrations
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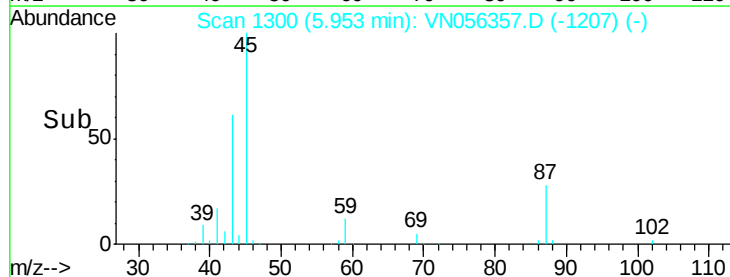
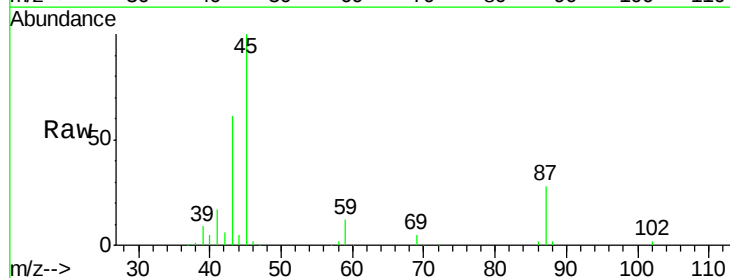
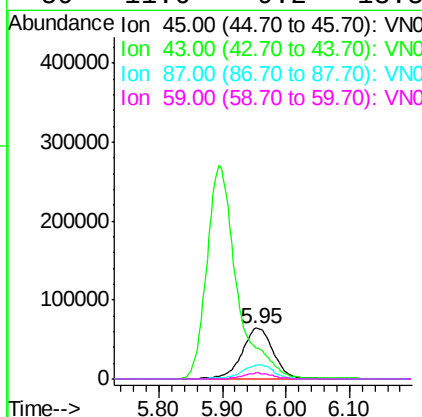
MMDadoda
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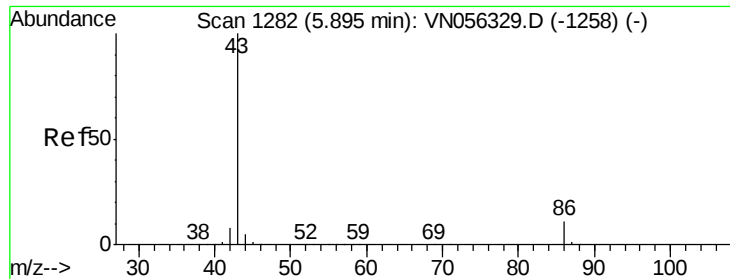


#22

Diisopropyl ether
Concen: 20.252 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	47.0	70.6
87	27.6	22.4	33.6
59	11.6	9.2	13.8





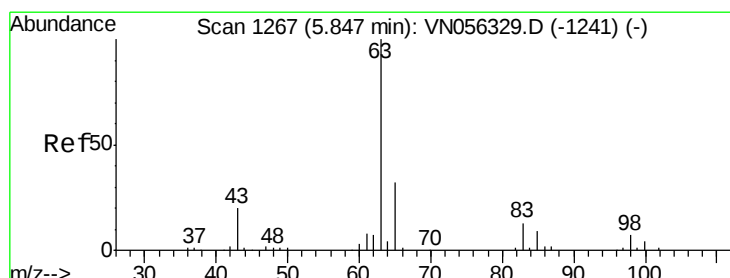
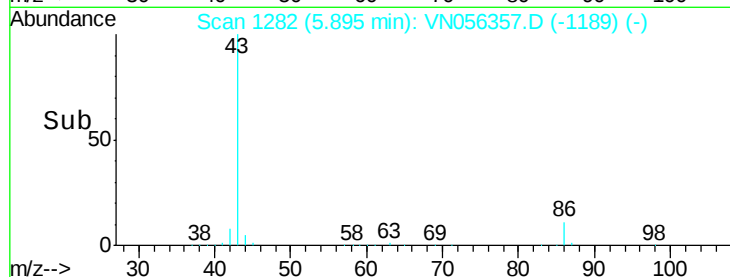
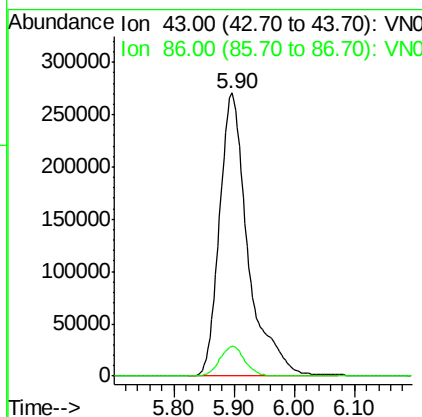
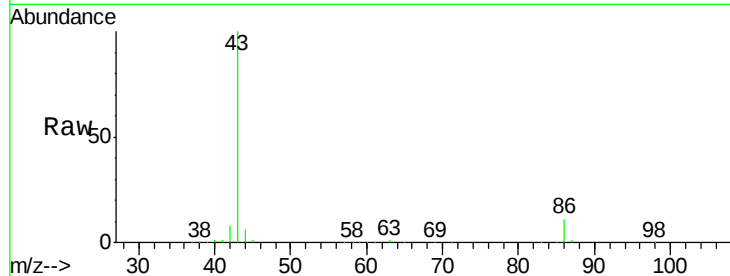
#23
 Vinyl Acetate
 Concen: 99.409 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.6	8.5	12.7

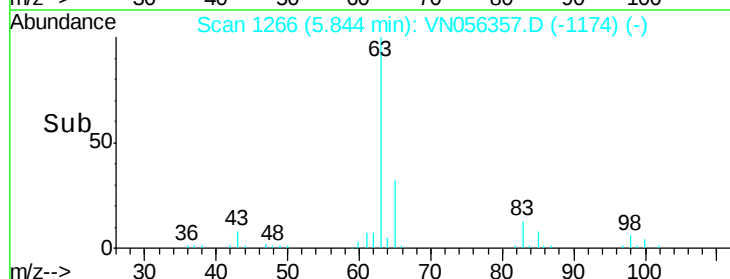
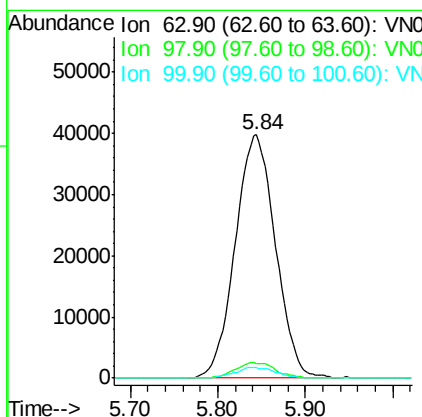
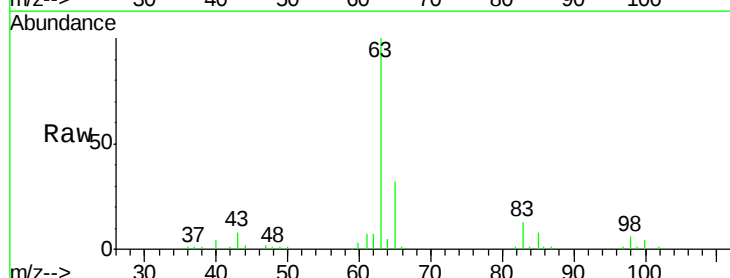
Manual Integrations
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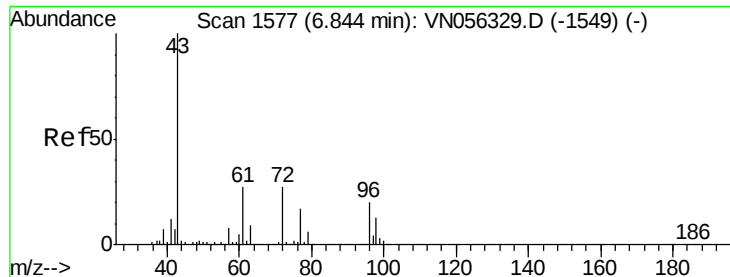
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.676 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.3	9.8
100	4.3	2.2	6.6





#25

2-Butanone

Concen: 96.975 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS02

Tot Ion: 43 Resp: 262488

Ion Ratio Lower Upper

43 100

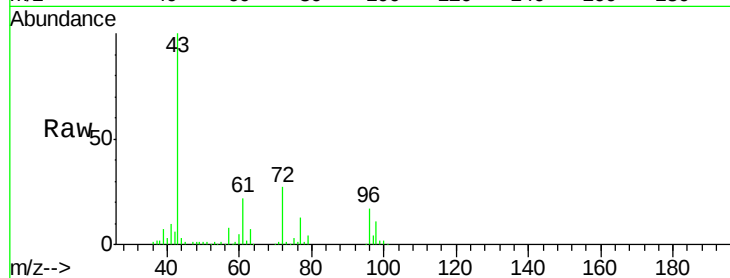
72 26.6 21.4 32.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.85

100000

80000

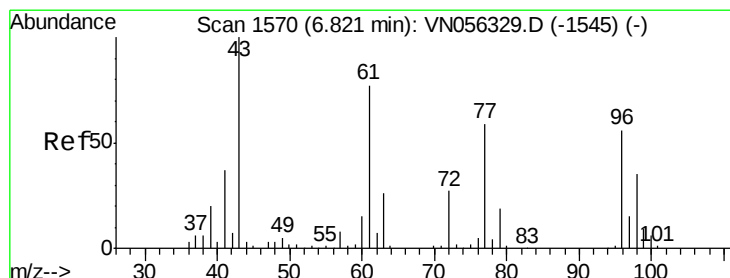
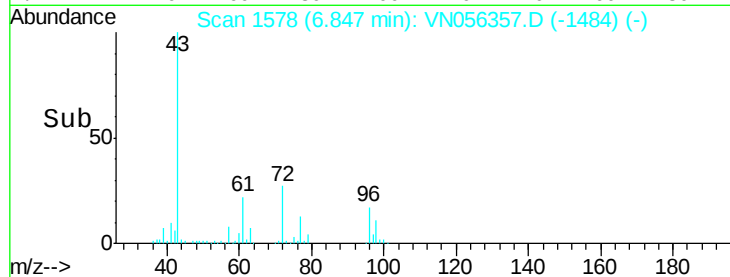
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.874 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056357.D

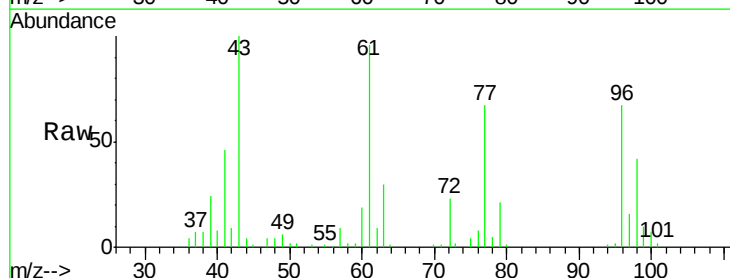
Acq: 18 Jun 2019 11:45

Tgt Ion: 77 Resp: 83330

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

30000

25000

20000

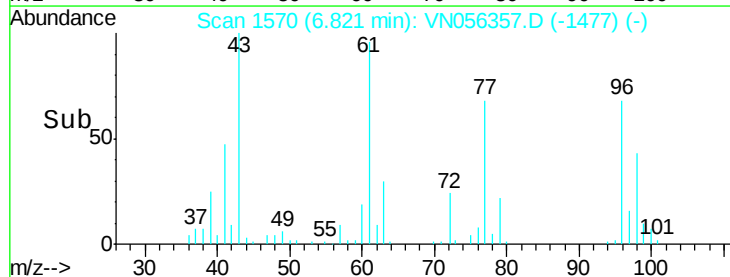
15000

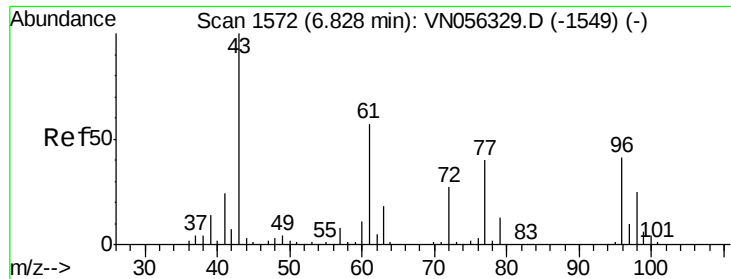
10000

5000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.250 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

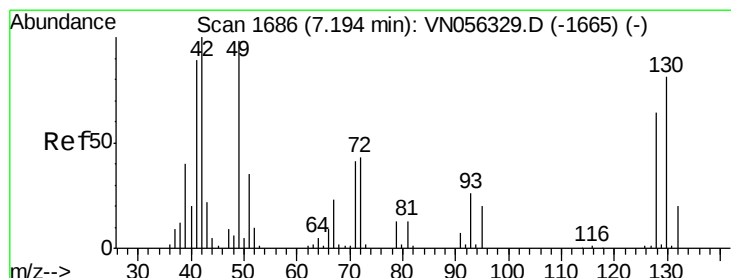
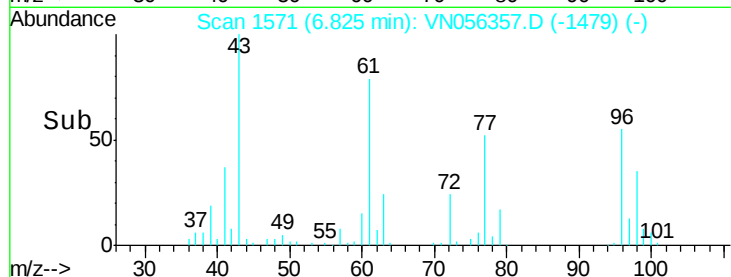
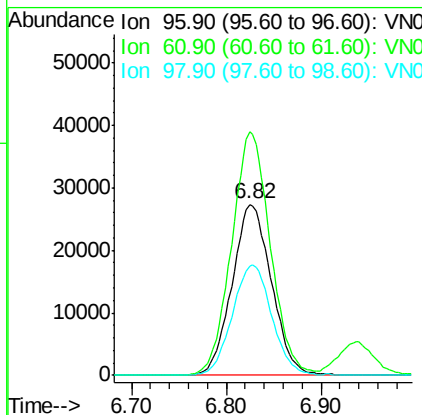
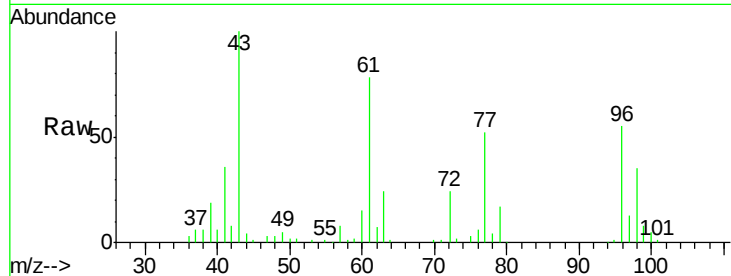
ClientSampleId :

VN0618WBS02

Tot Ion:	96	Resp:	79106
Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	278.6
98	64.4	0.0	127.0

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#28

Bromochloromethane

Concen: 20.616 ug/l

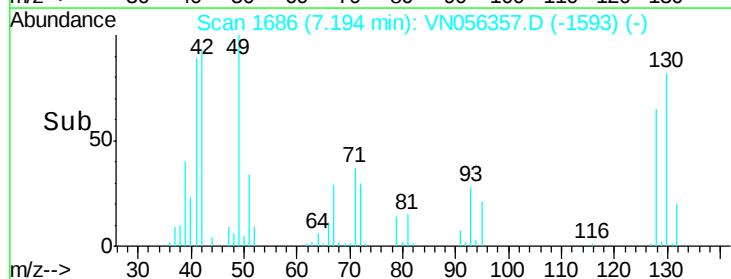
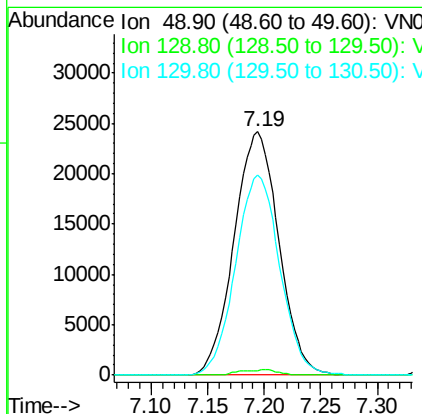
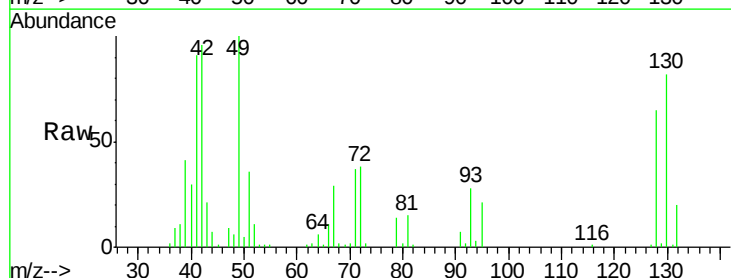
RT: 7.19 min Scan# 1686

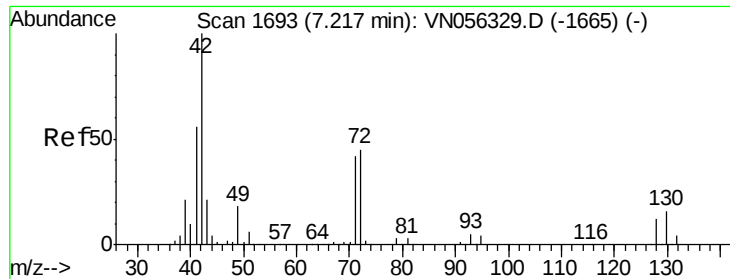
Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Tgt Ion:	49	Resp:	66558
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	81.4	66.4	99.6





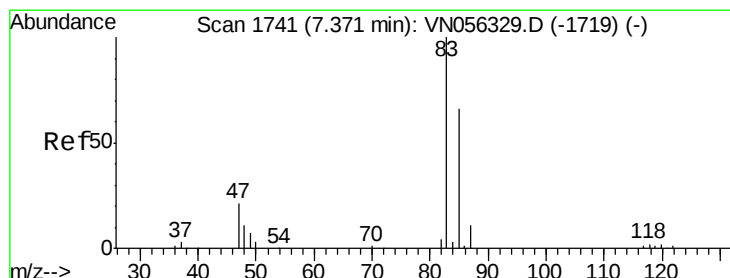
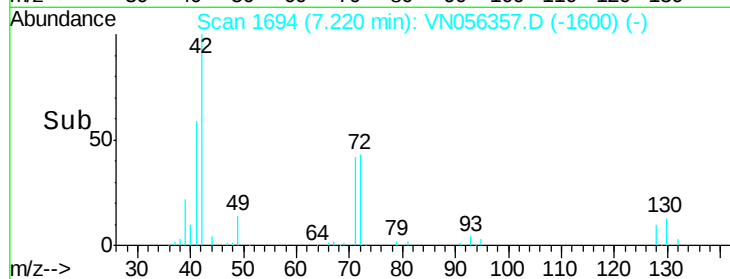
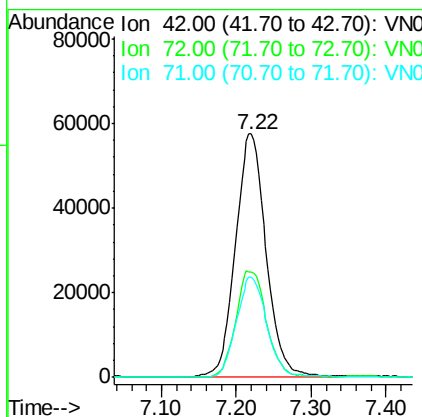
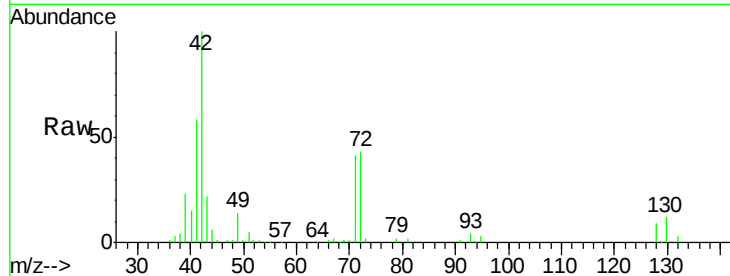
#29
Tetrahydrofuran
Concen: 102.241 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.3	52.9
71	40.6	32.7	49.1

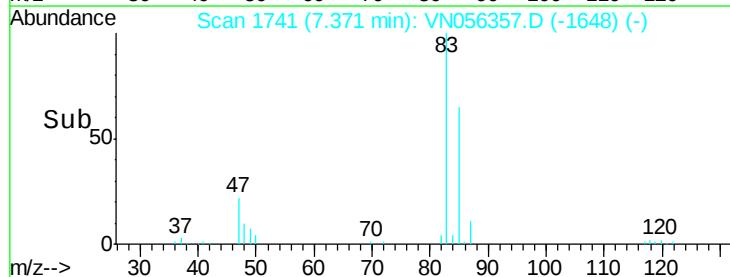
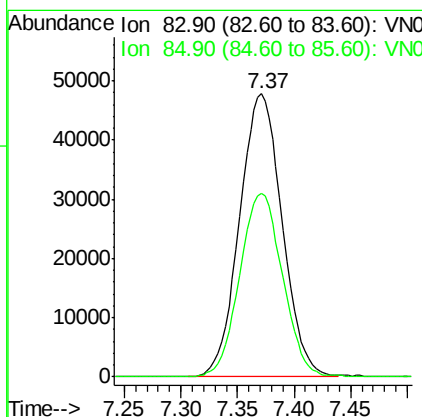
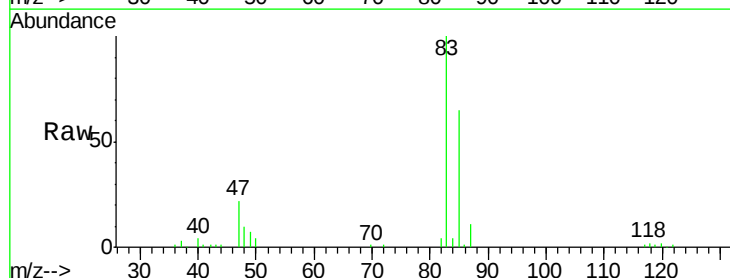
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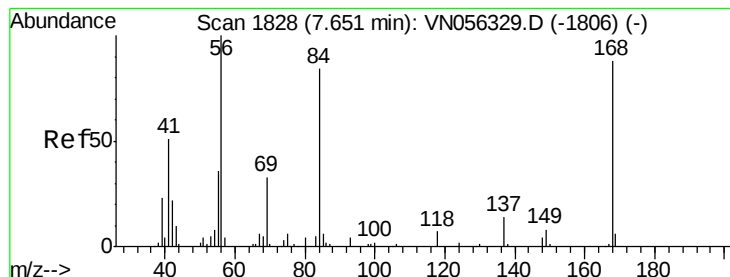
MMDadoda
6/19/2019 12:19:43 PM



#30
Chloroform
Concen: 19.514 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8





#31

Cyclohexane

Concen: 19.552 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

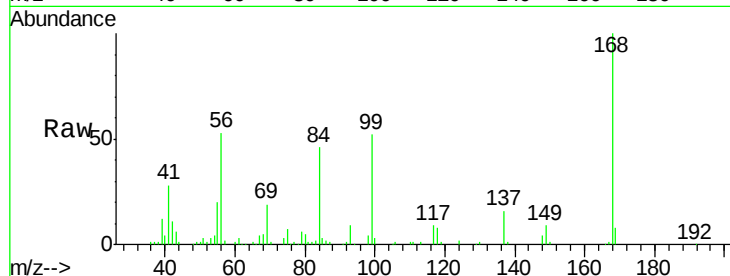
ClientSampled :

VN0618WBS02

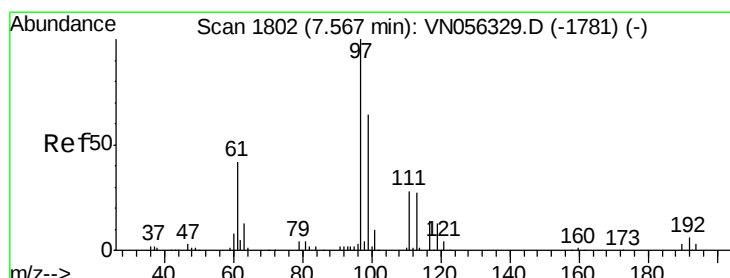
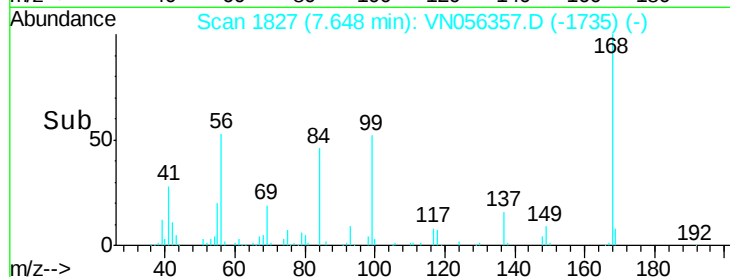
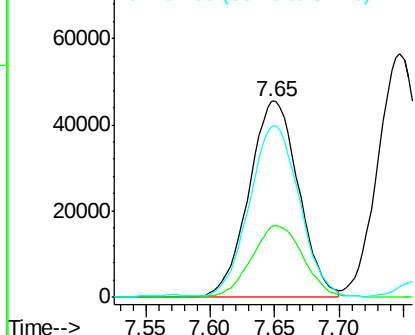
Tot Ion:	56	Resp:	121788
Ion	Ratio	Lower	Upper
56	100		
69	36.1	26.0	39.0
84	86.4	67.4	101.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 18.260 ug/l

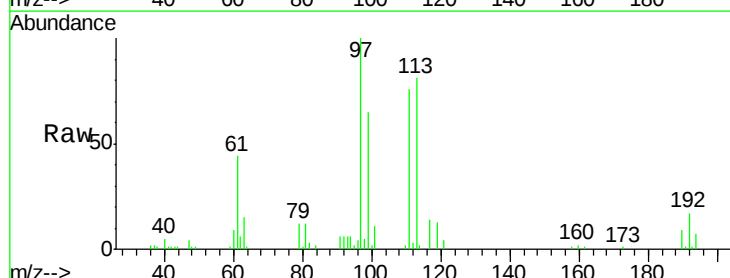
RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

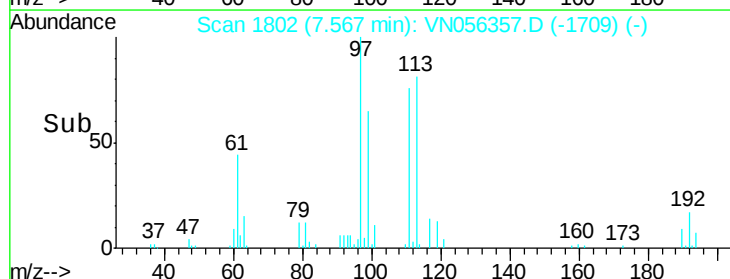
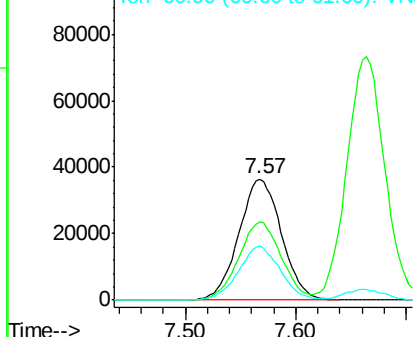
Lab File: VN056357.D

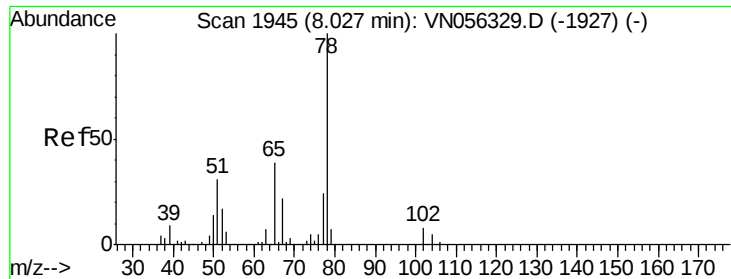
Acq: 18 Jun 2019 11:45

Tgt Ion:	97	Resp:	97138
Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	43.7	34.4	51.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





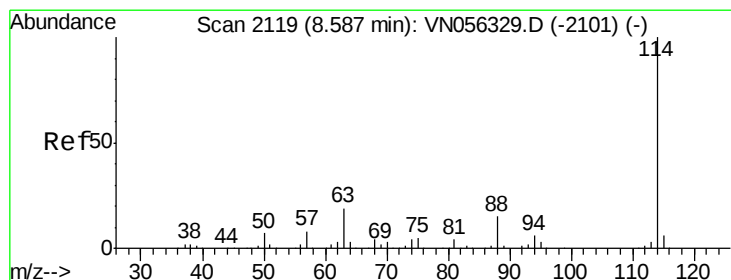
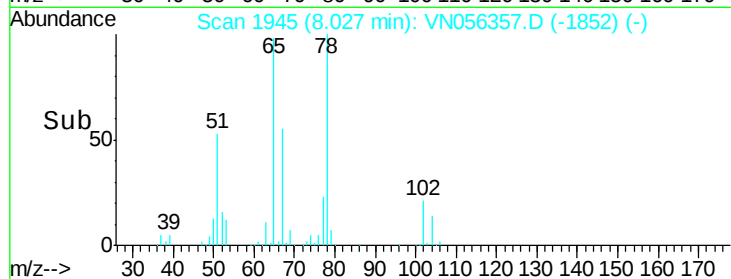
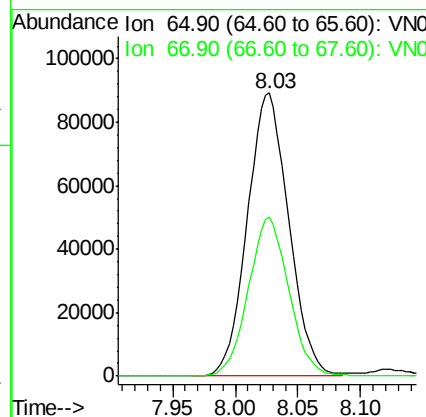
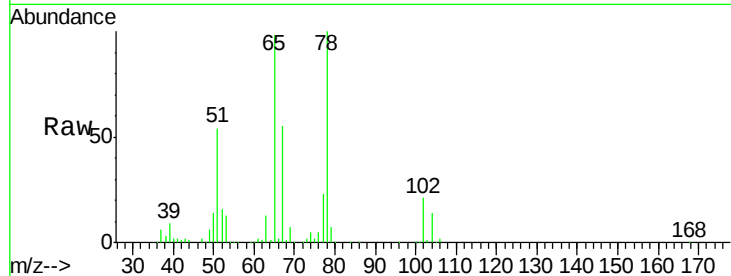
#33
 1,2-Dichloroethane-d4
 Concen: 50.760 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205143		
67	54.8	0.0	110.8	

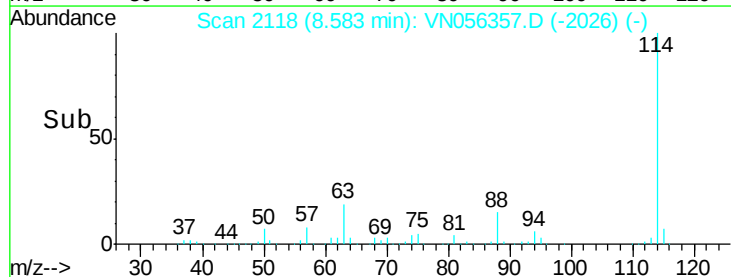
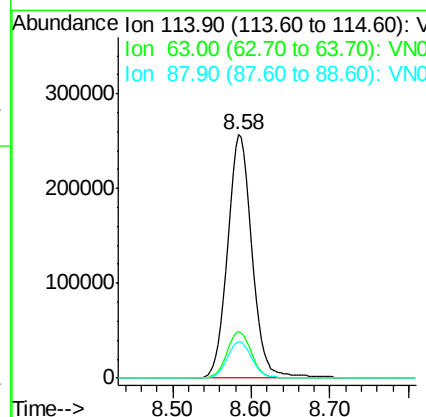
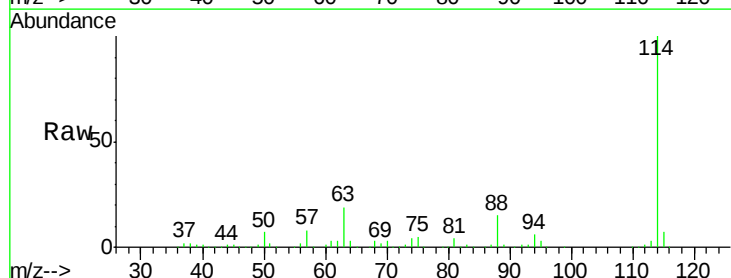
Manual Integrations
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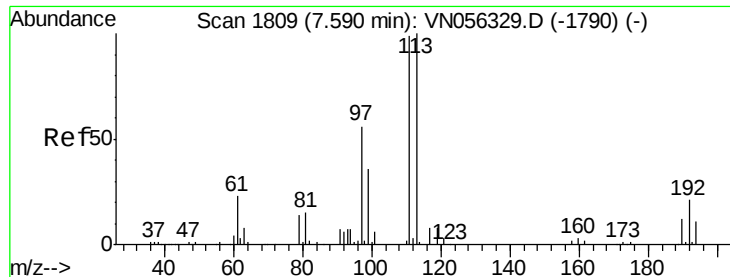
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	549371		
63	19.3	0.0	38.8	
88	14.9	0.0	30.6	





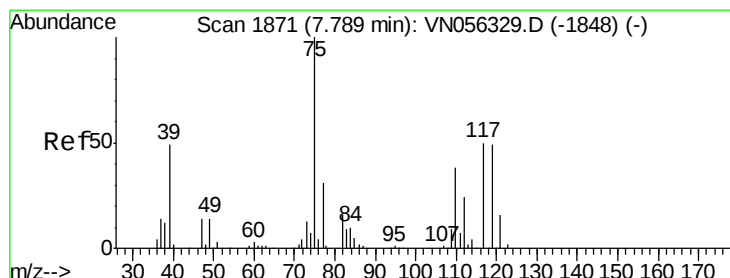
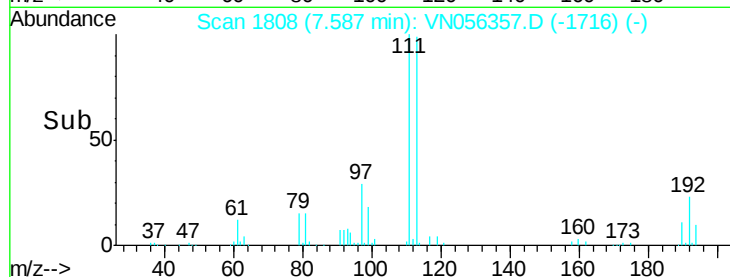
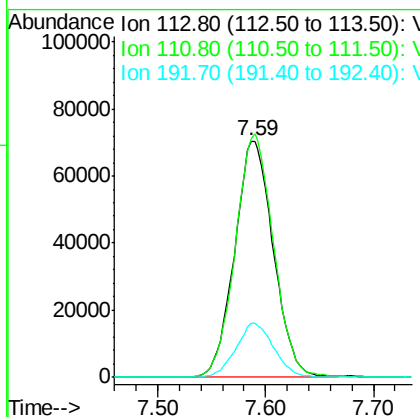
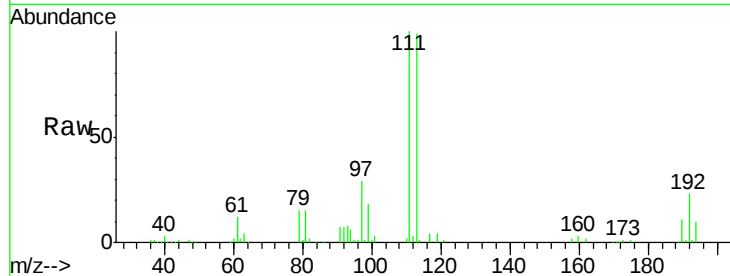
#35
 Dibromofluoromethane
 Concen: 49.909 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175829		
111	101.8	82.1	123.1	
192	22.4	17.6	26.4	

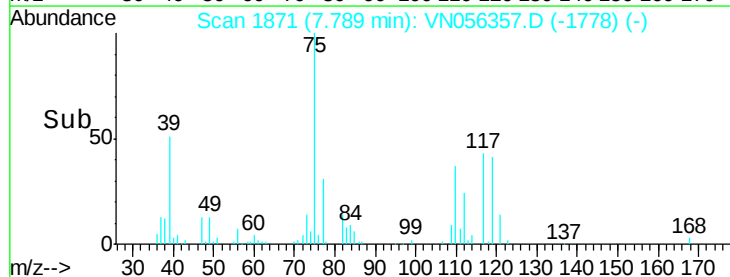
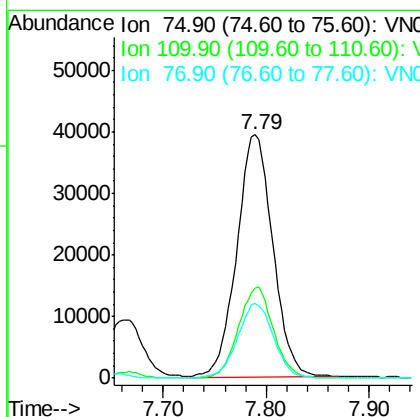
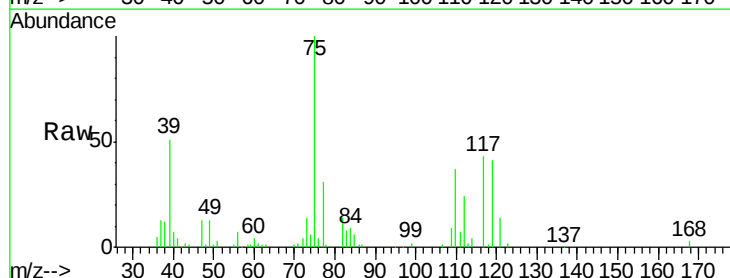
Manual Integrations
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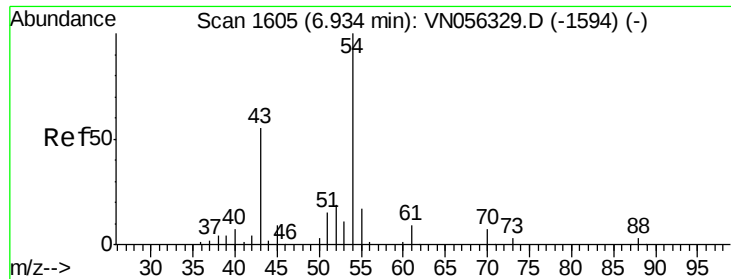
MMDadoda
 6/19/2019 12:19:43 PM



#36
 1,1-Dichloropropene
 Concen: 19.398 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95896		
110	36.1	18.6	56.0	
77	30.7	25.0	37.6	





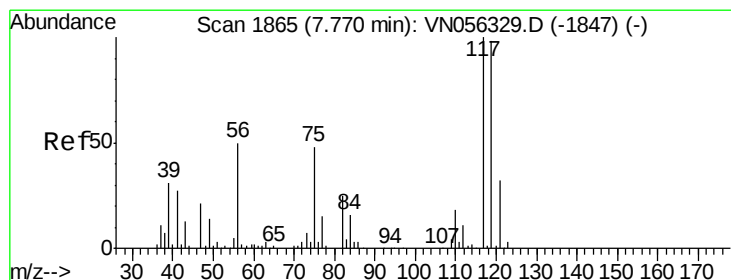
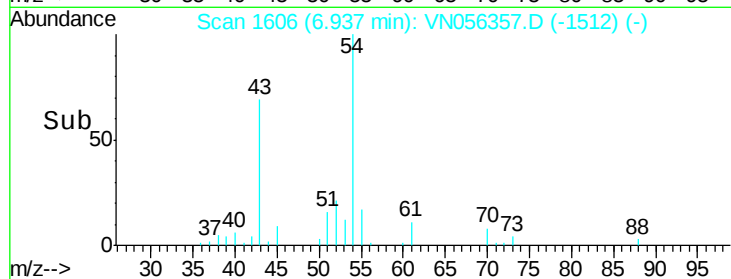
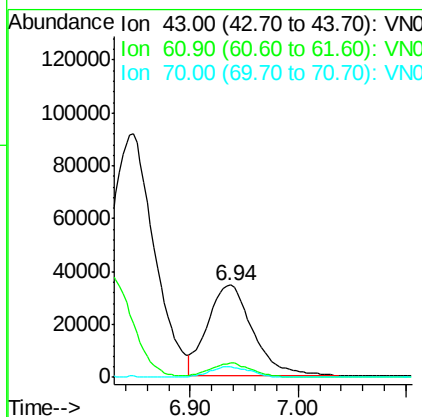
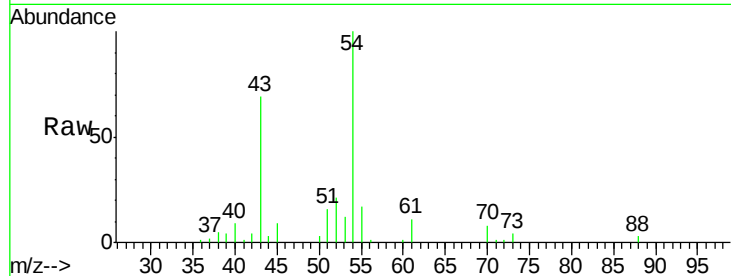
#37
Ethyl Acetate
Concen: 21.390 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	10.7	8.3	12.5

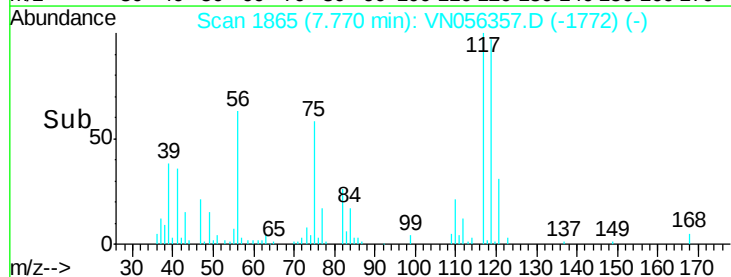
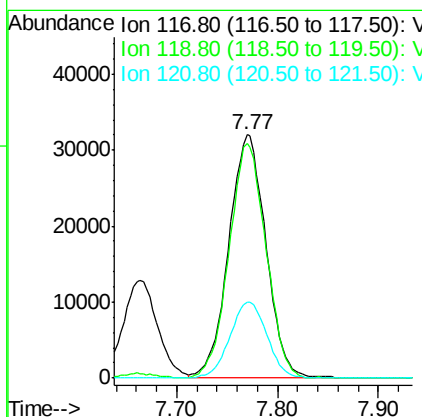
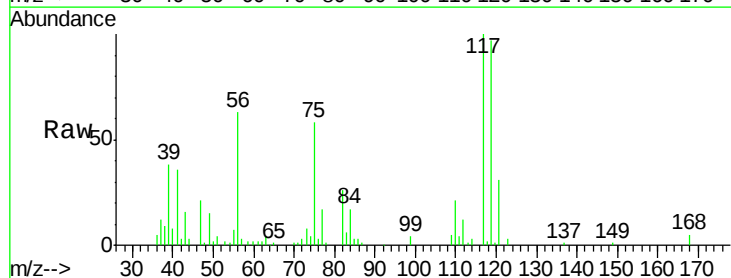
Manual Integrations
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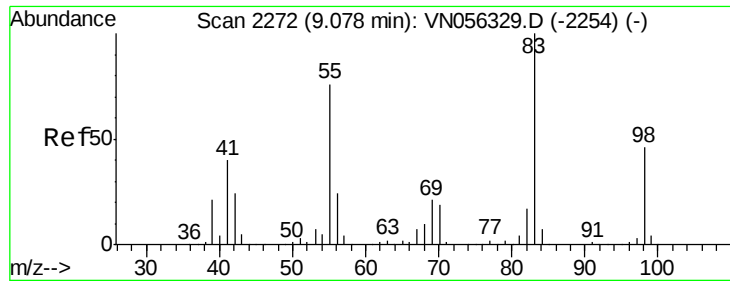
MMDadoda
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#38
Carbon Tetrachloride
Concen: 17.272 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.8
121	31.4	25.3	37.9





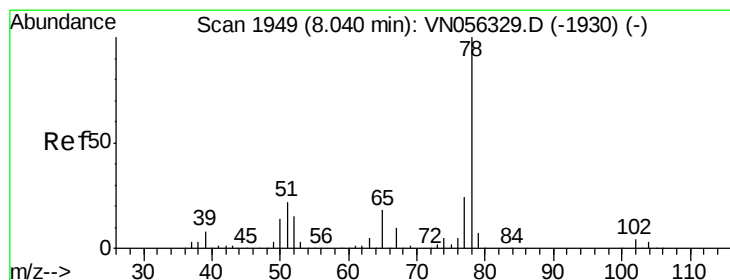
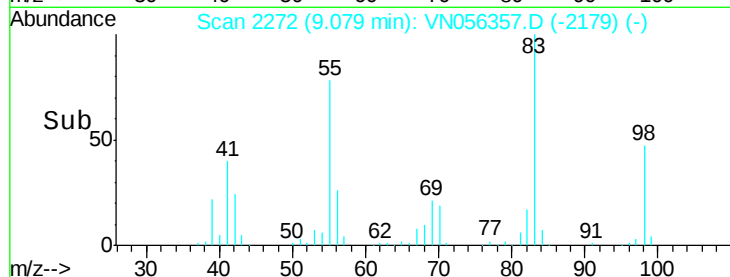
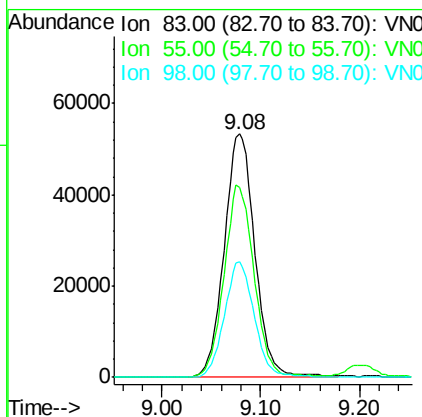
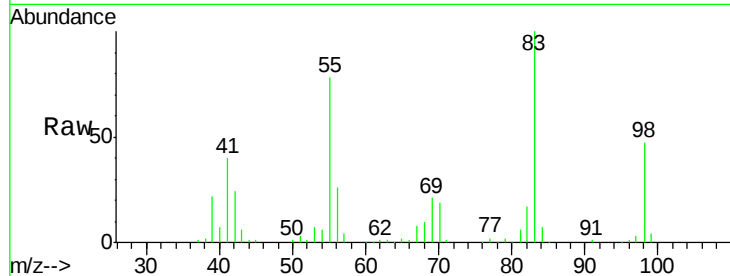
#39
Methvlcvclohexane
Concen: 19.241 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	60.8	91.2
98	47.5	36.8	55.2

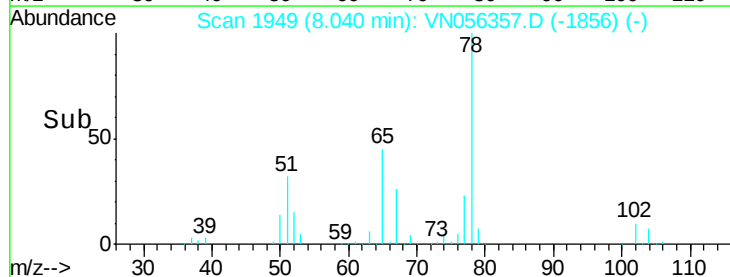
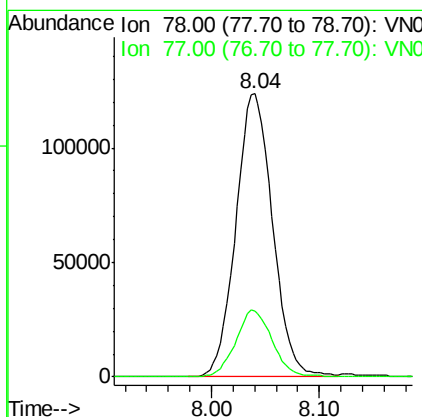
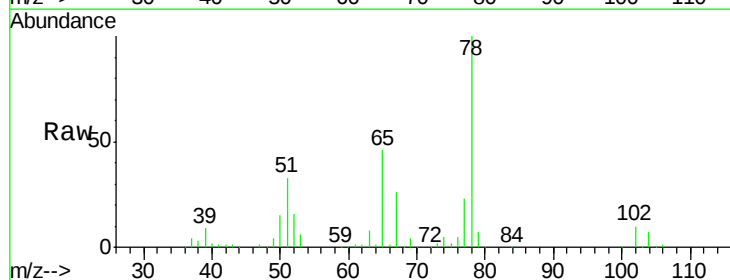
Manual Integrations
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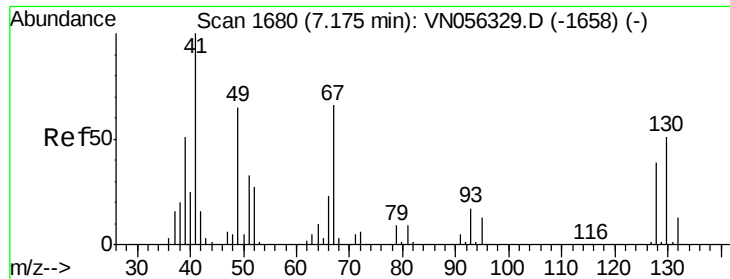
MMDadoda
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#40
Benzene
Concen: 19.584 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





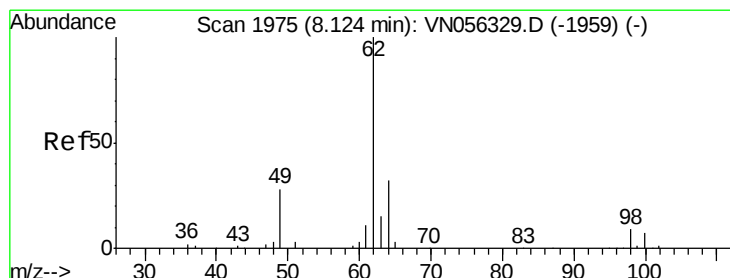
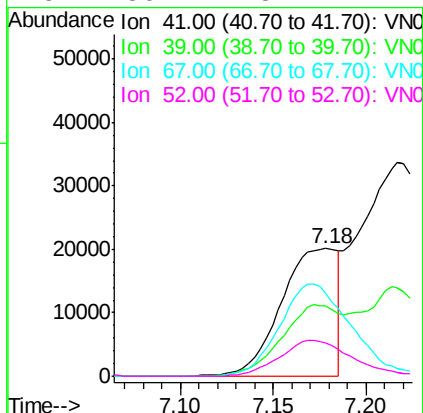
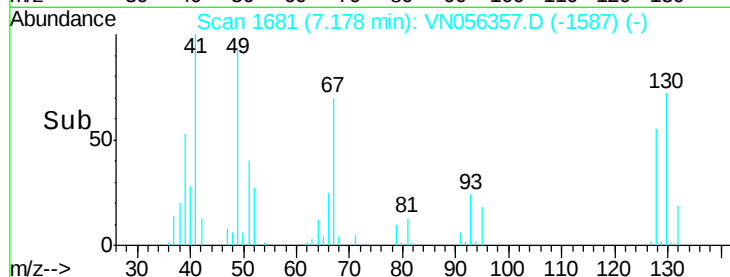
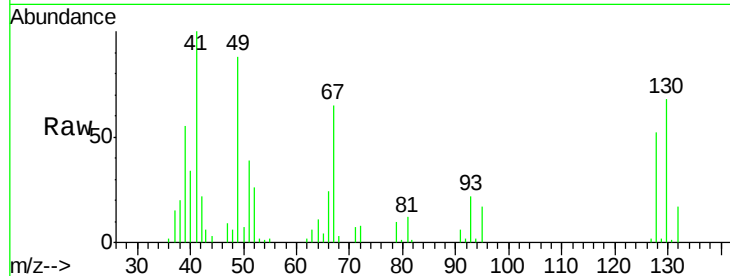
#41
Methacrylonitrile
Concen: 19.798 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	41	Resp	42592
Ion Ratio	Lower	Upper	
41	100		
39	58.2	44.5	66.7
67	92.8	69.0	103.4
52	36.7	28.1	42.1

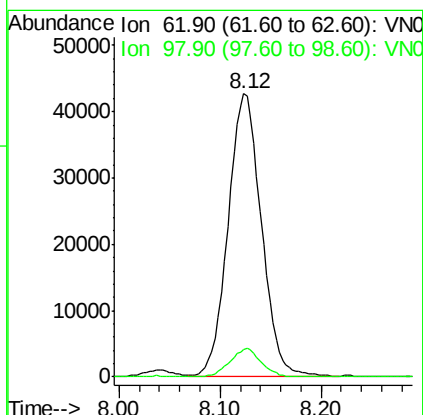
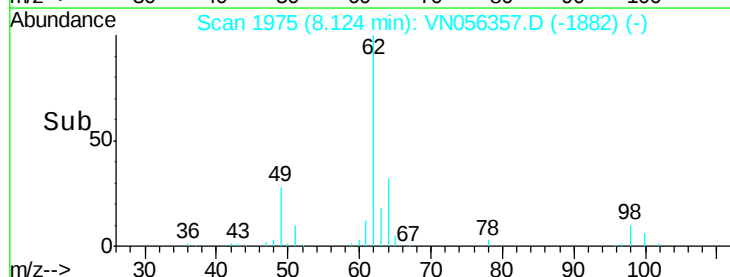
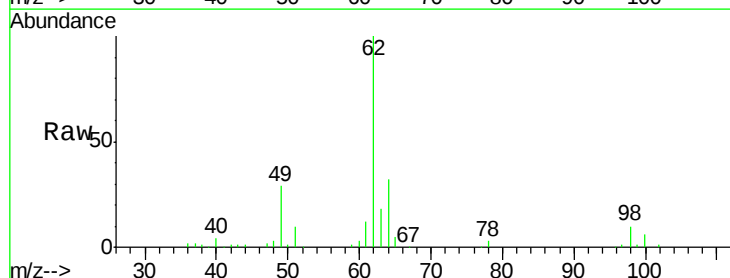
Manual Integrations
APPROVED

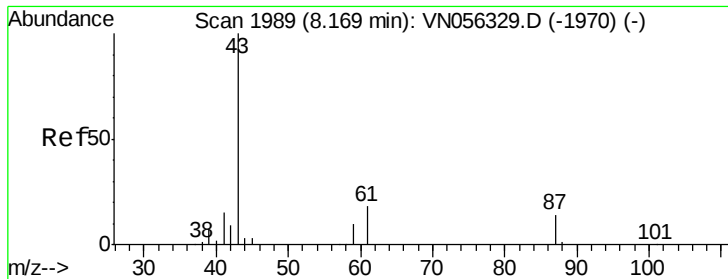
MMDadoda
6/19/2019 12:19:43 PM



#42
1,2-Dichloroethane
Concen: 19.849 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	62	Resp	97617
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	19.4





#43

Isopropyl Acetate

Concen: 18.870 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

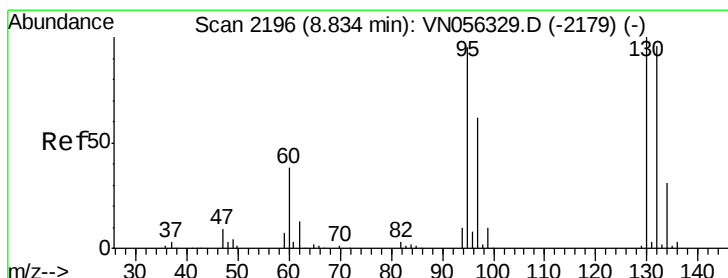
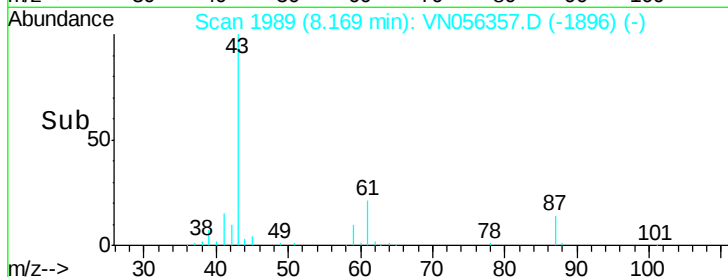
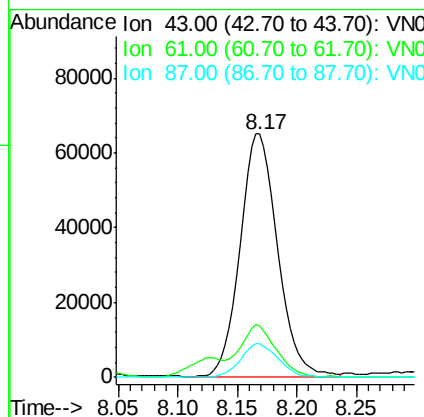
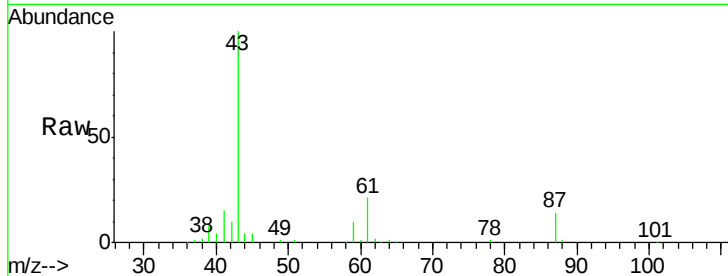
ClientSampleId :

VN0618WBS02

Tot Ion:	43	Resp:	141418
Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.6	25.0
87	14.0	11.0	16.4

Manual Integrations
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MMDadoda
6/19/2019 12:19:43 PM



#44

Trichloroethene

Concen: 19.539 ug/l

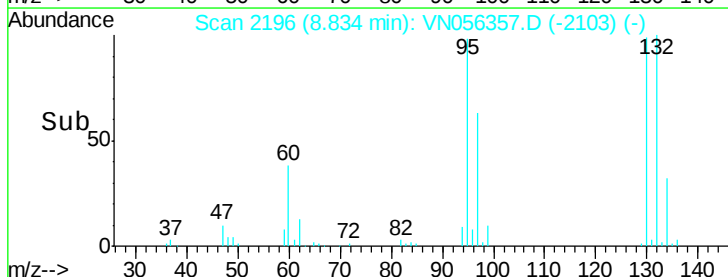
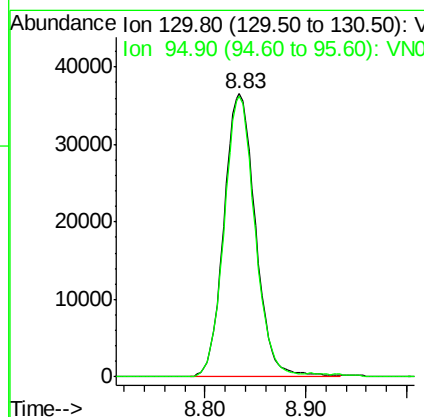
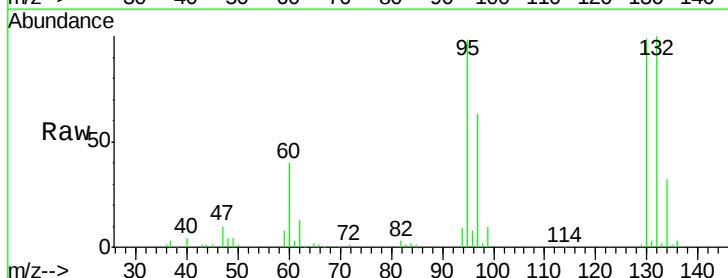
RT: 8.83 min Scan# 2196

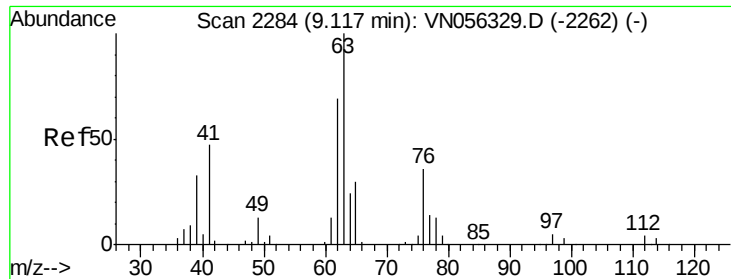
Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Tgt Ion:	130	Resp:	79686
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	190.4





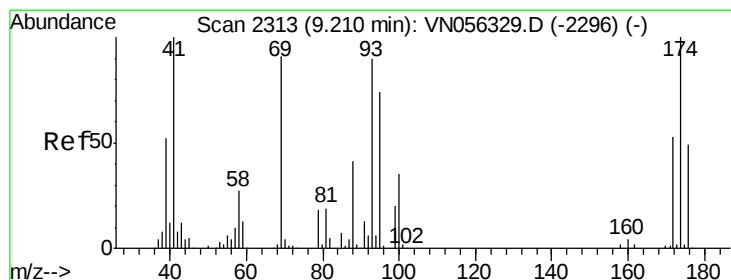
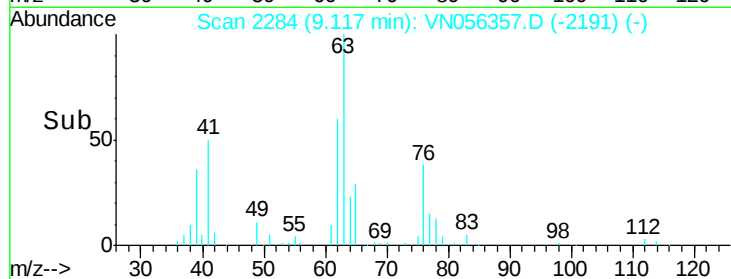
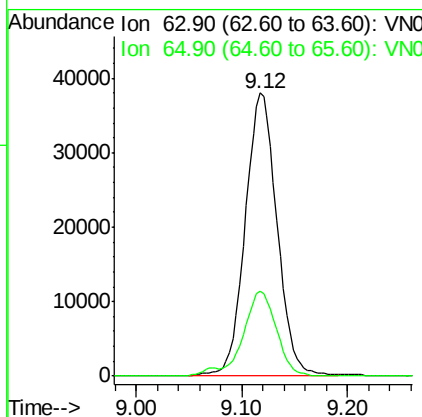
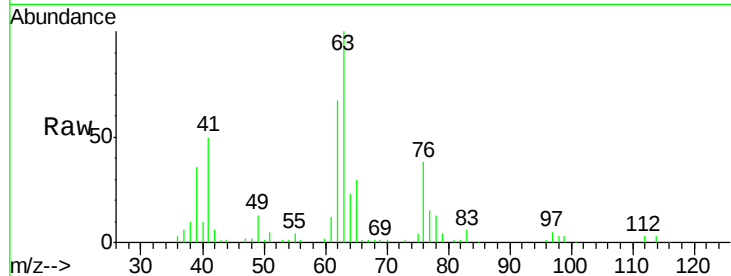
#45
 1,2-Dichloropropane
 Concen: 20.200 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion: 63 Resp: 80062
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.4 36.6

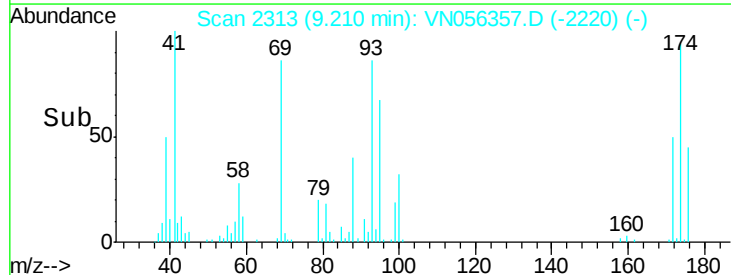
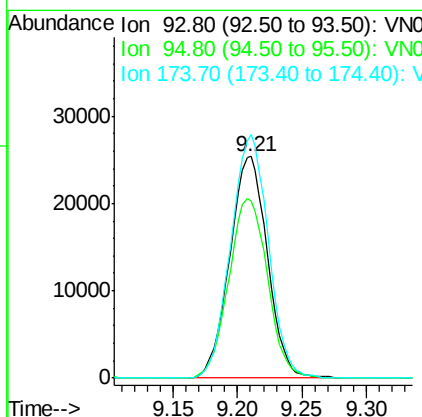
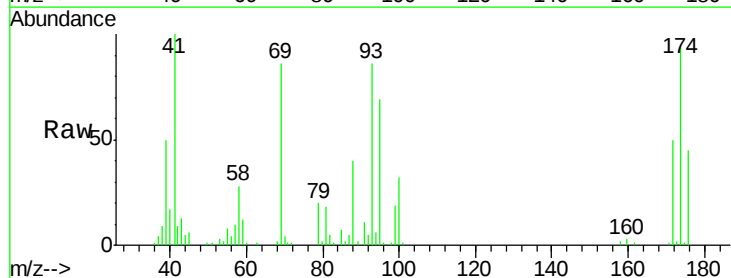
Manual Integrations
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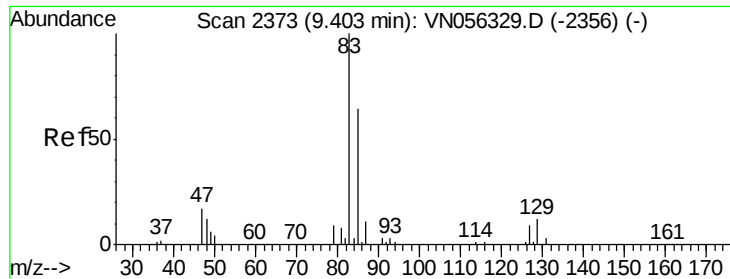
MMDadoda
 6/19/2019 12:19:43 PM



#46
 Dibromomethane
 Concen: 19.545 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion: 93 Resp: 51478
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.2 100.8
 174 109.4 90.3 135.5





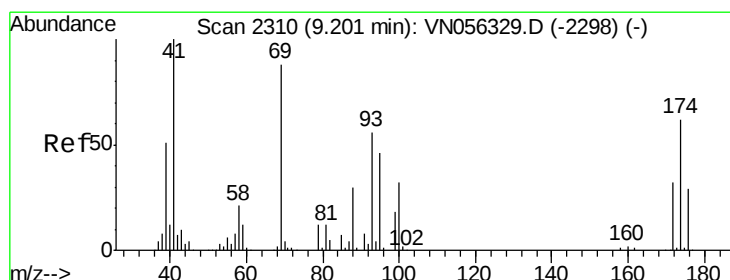
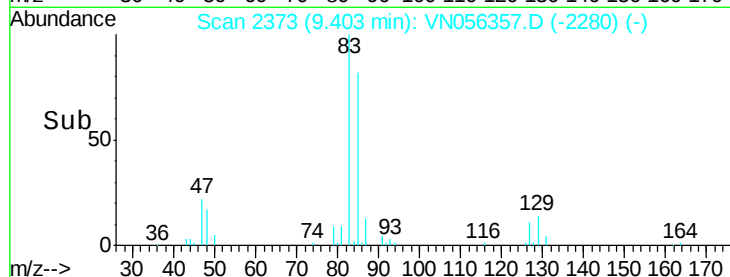
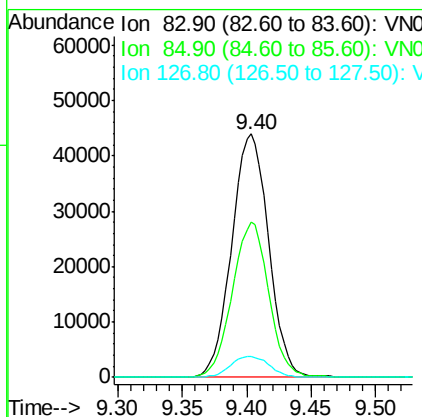
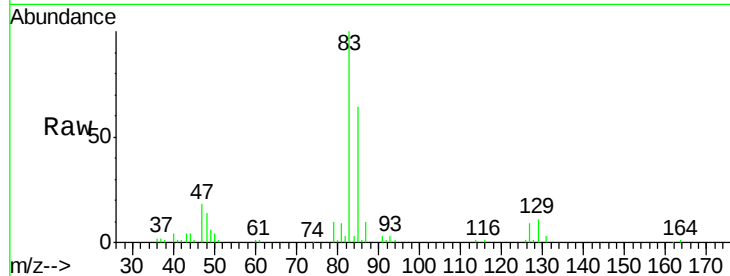
#47
Bromodichloromethane
Concen: 17.424 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion:	83	Resp:	87677
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.1	76.7
127	8.6	7.1	10.7

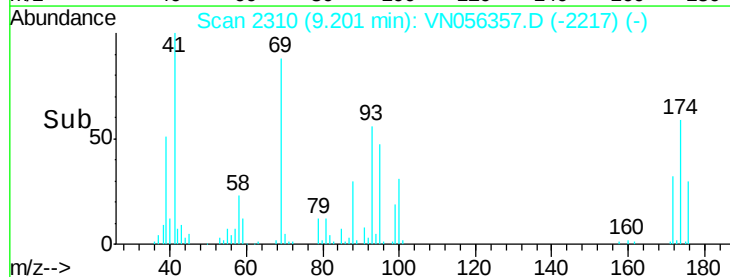
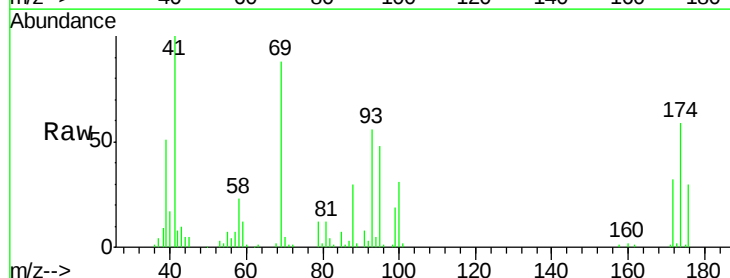
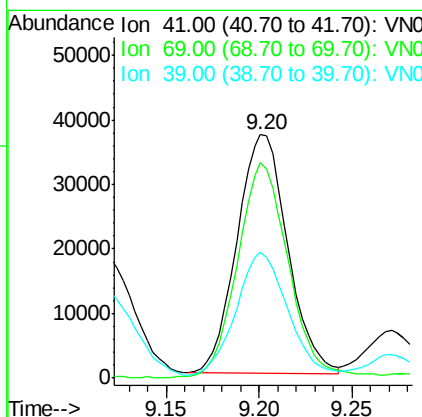
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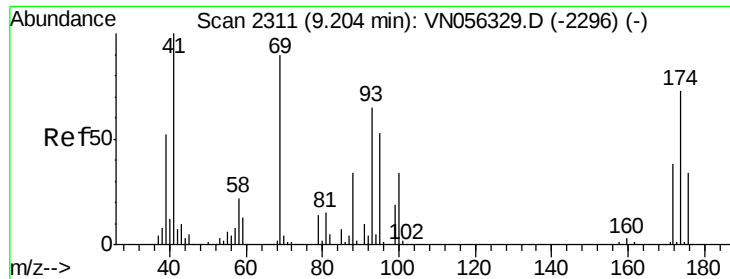
MMDadoda
6/19/2019 12:19:43 PM



#48
Methyl methacrylate
Concen: 18.547 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion:	41	Resp:	70130
Ion Ratio	Lower	Upper	
41	100		
69	91.3	71.0	106.6
39	55.2	41.7	62.5





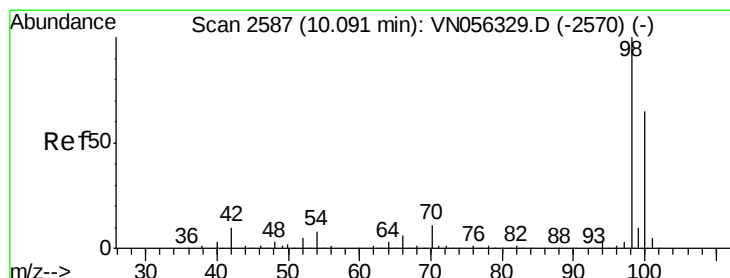
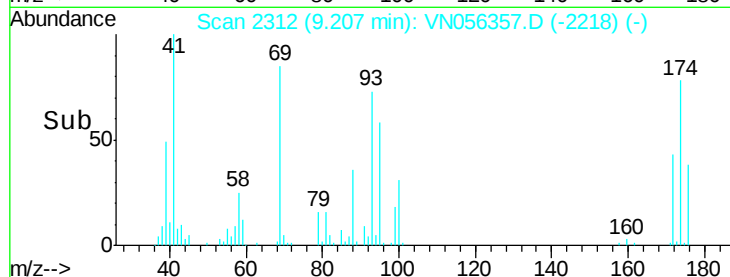
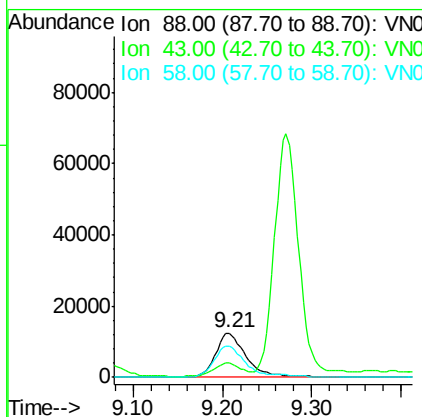
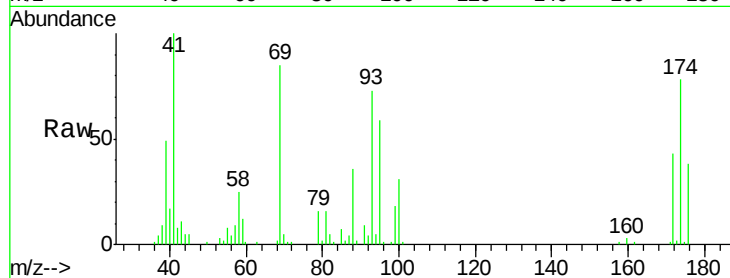
#49
1,4-Dioxane
Concen: 391.751 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	21.9	32.9
58	69.0	57.3	85.9

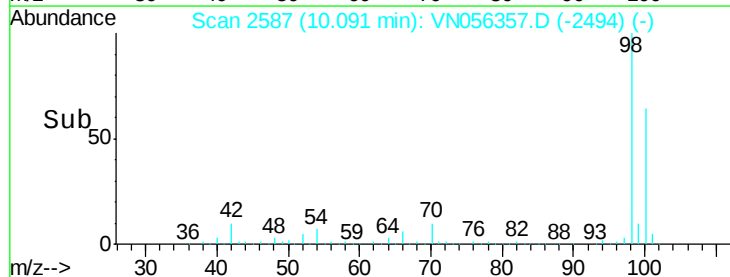
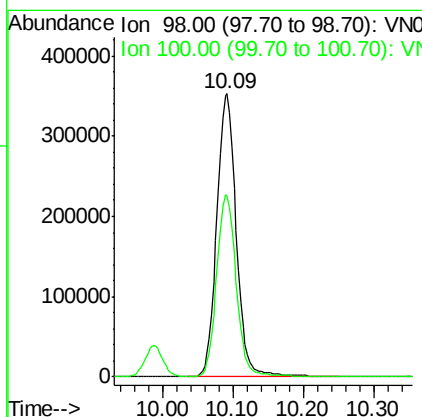
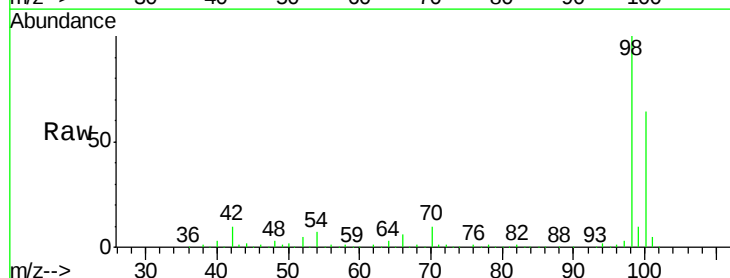
Manual Integrations
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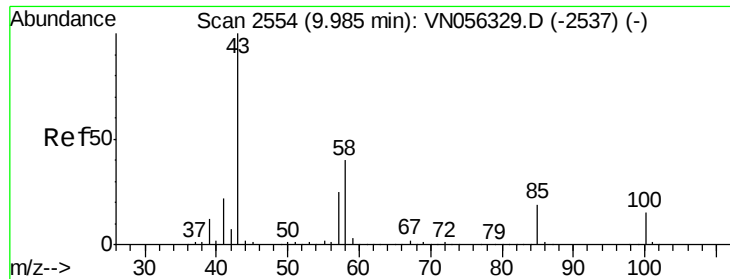
MMDadoda
6/19/2019 12:19:43 PM



#50
Toluene-d8
Concen: 50.503 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 99.791 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 43 Resp: 476650

Ion Ratio Lower Upper

43 100

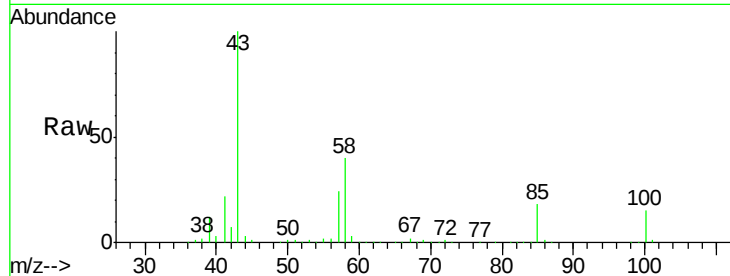
58 39.4 31.8 47.6

Manual Integrations

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MMDadoda

6/19/2019 12:19:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

150000

100000

50000

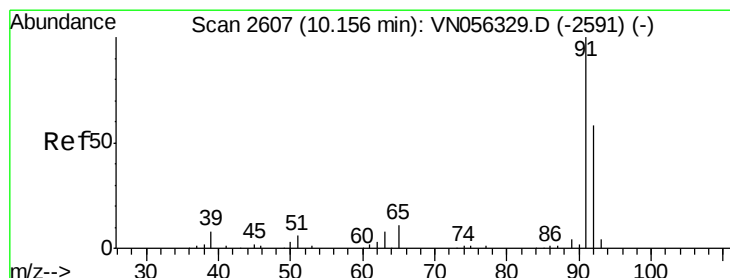
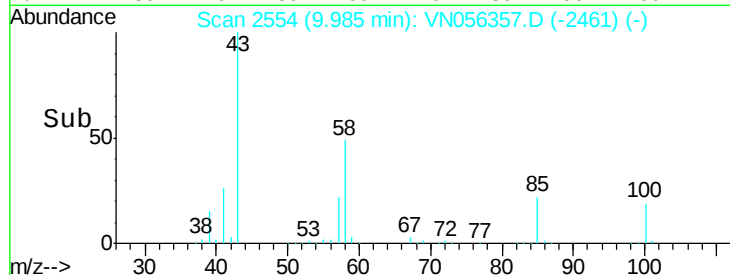
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.796 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056357.D

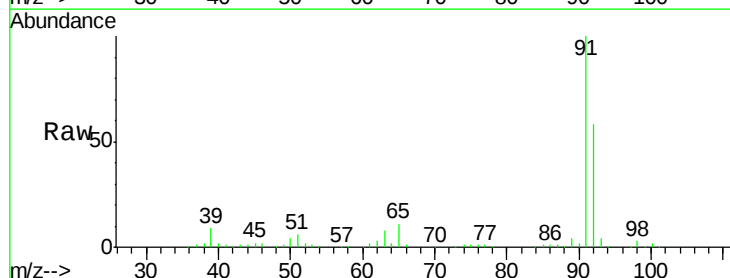
Acq: 18 Jun 2019 11:45

Tgt Ion: 92 Resp: 181203

Ion Ratio Lower Upper

92 100

91 177.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

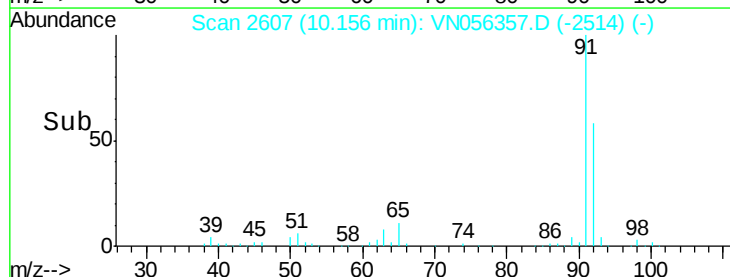
50000

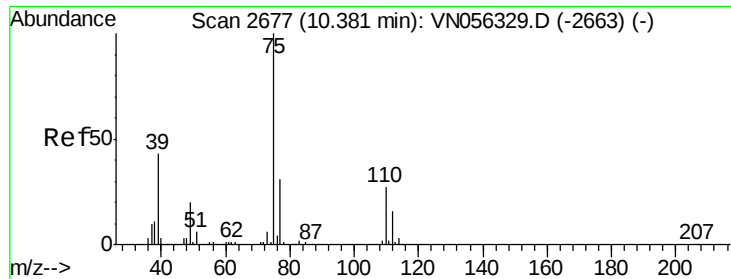
0

10.10

10.20

Time-->





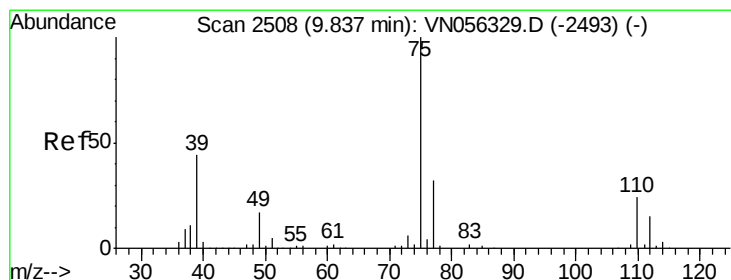
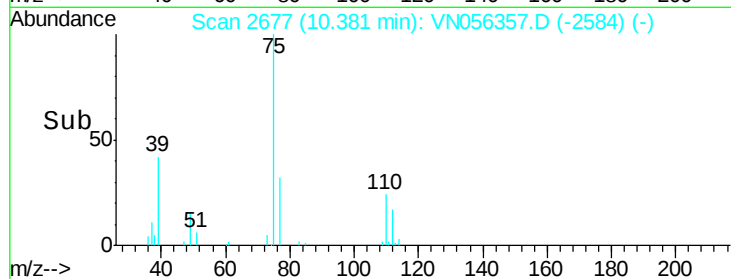
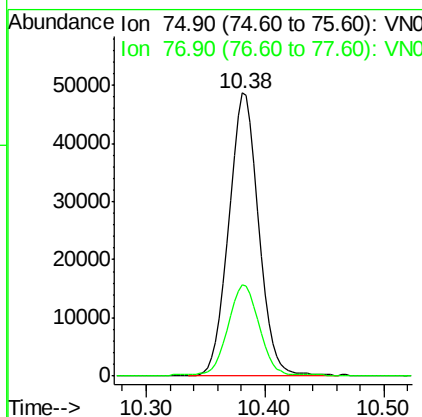
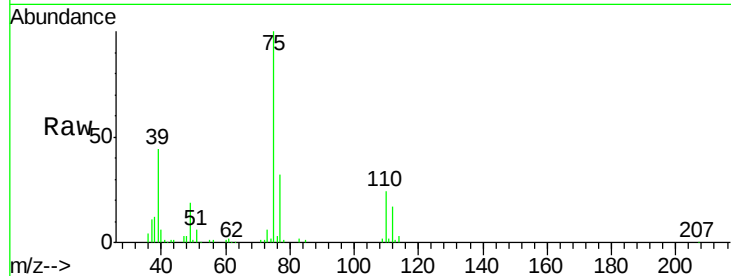
#53
t-1,3-Dichloropropene
Concen: 16.989 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion: 75 Resp: 84884
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7

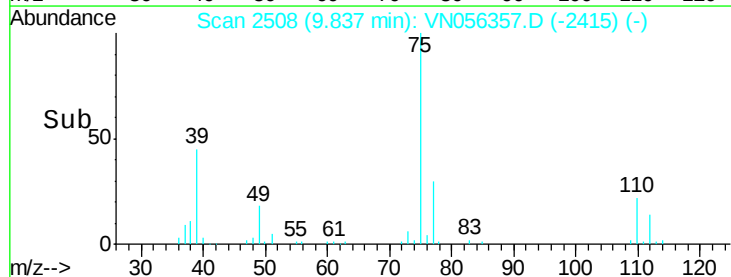
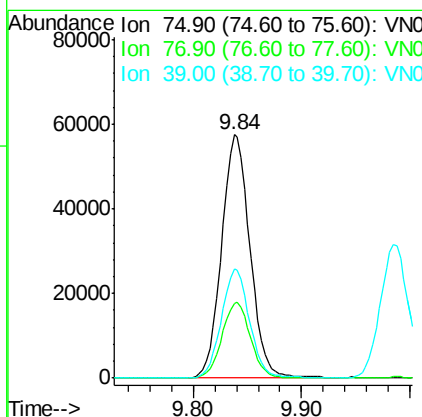
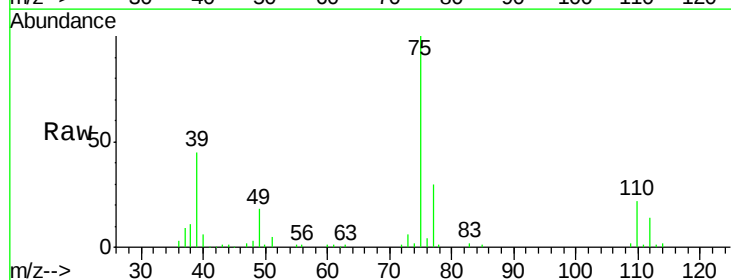
Manual Integrations
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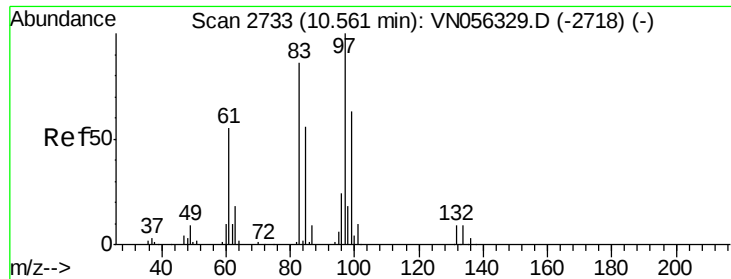
MMDadoda
6/19/2019 12:19:43 PM



#54
cis-1,3-Dichloropropene
Concen: 18.318 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion: 75 Resp: 105565
Ion Ratio Lower Upper
75 100
77 30.5 25.7 38.5
39 44.7 35.4 53.0





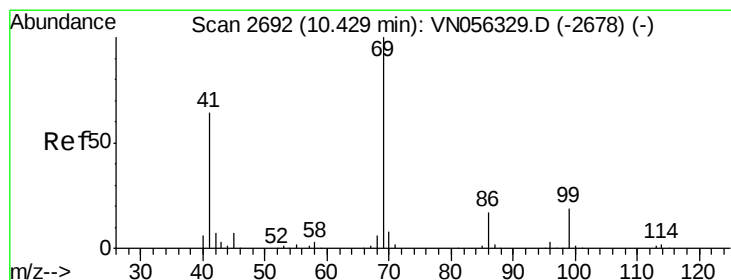
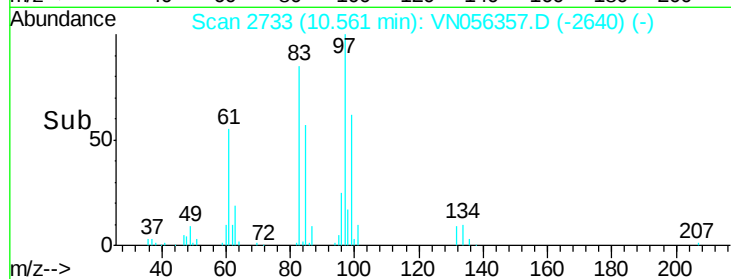
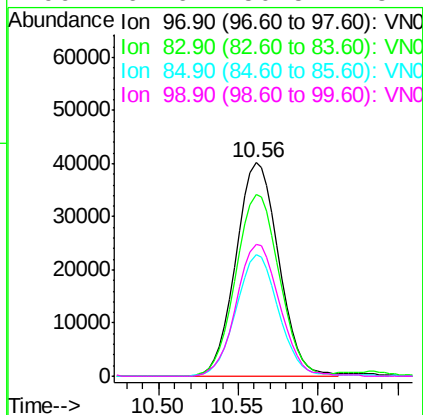
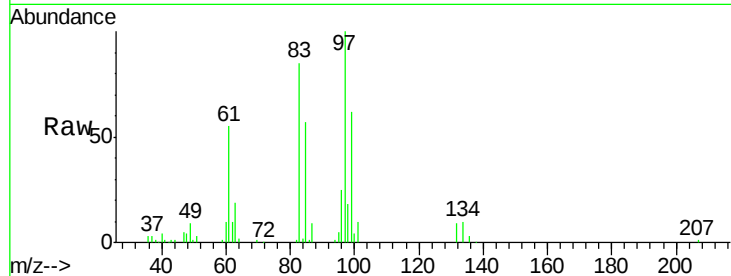
#55
 1,1,2-Trichloroethane
 Concen: 19.540 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion:	97	Resp:	73507
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.0	103.4
85	56.8	44.6	67.0
99	61.6	50.5	75.7

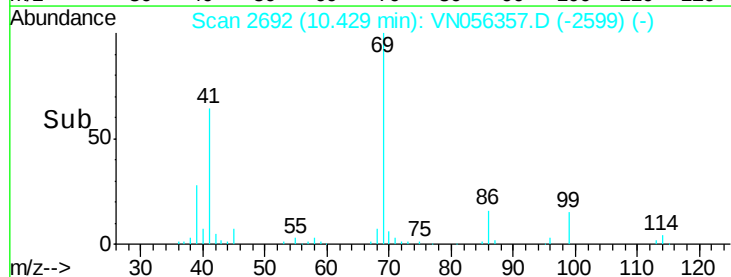
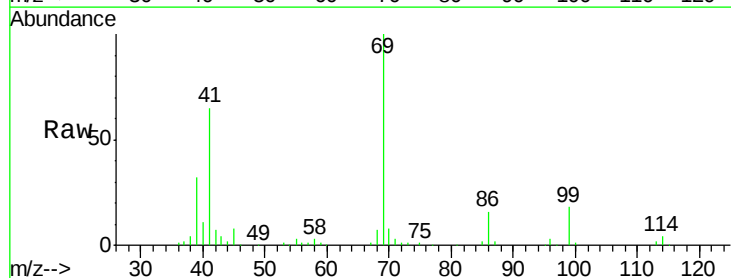
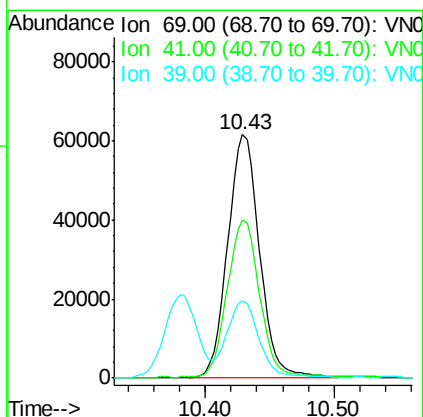
Manual Integrations
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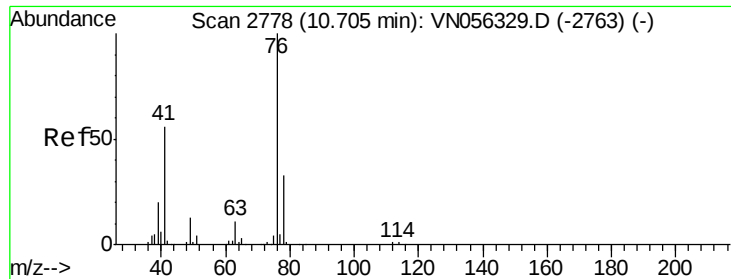
MMDadoda
 6/19/2019 12:19:43 PM



#56
 Ethyl methacrylate
 Concen: 19.586 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion:	69	Resp:	105963
Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.0	78.0
39	31.4	24.4	36.6





#57

1,3-Dichloropropane

Concen: 19.780 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 76 Resp: 125333

Ion Ratio Lower Upper

76 100

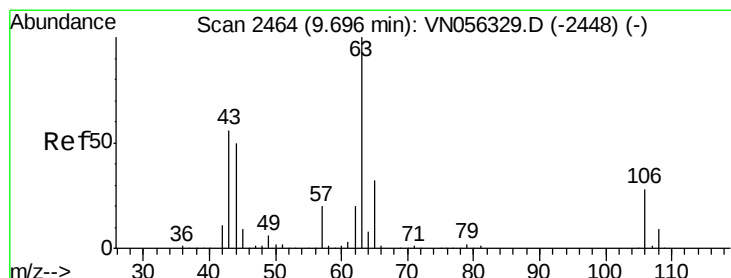
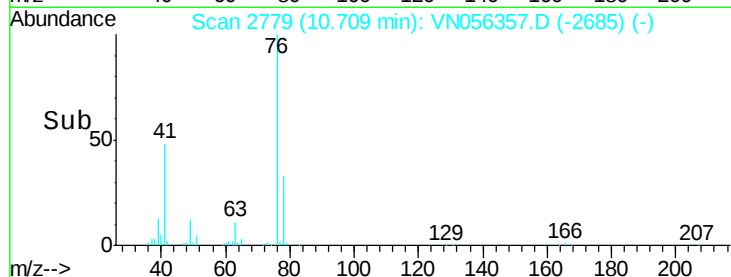
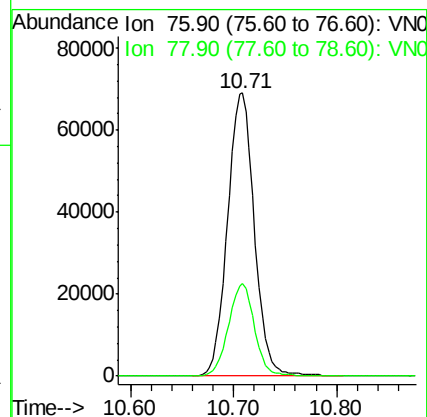
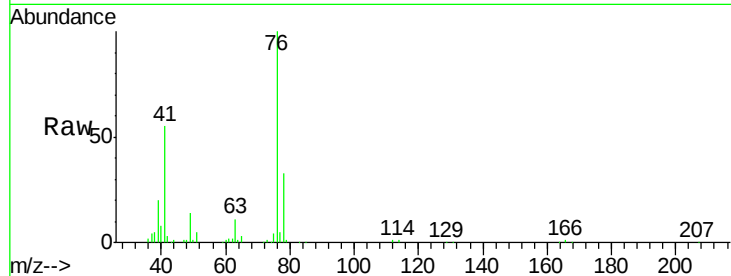
78 31.6 26.2 39.2

Manual Integrations

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MMDadoda

6/19/2019 12:19:43 PM



#58

2-Chloroethyl Vinyl ether

Concen: 105.159 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056357.D

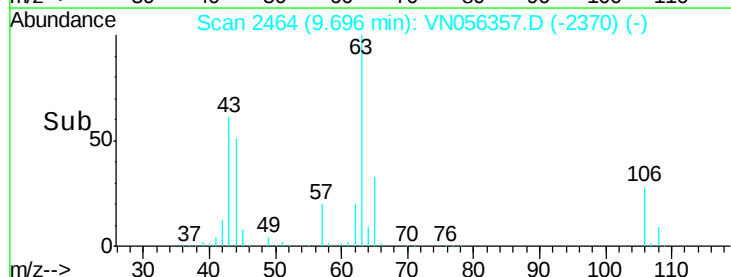
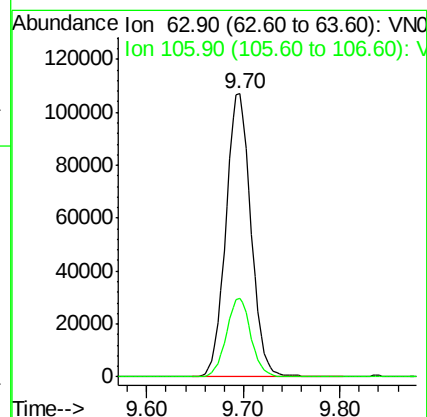
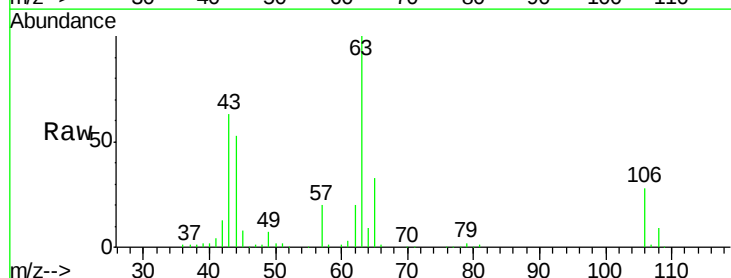
Acq: 18 Jun 2019 11:45

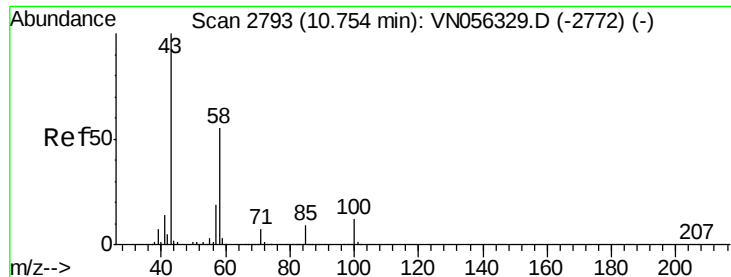
Tgt Ion: 63 Resp: 192946

Ion Ratio Lower Upper

63 100

106 26.9 22.2 33.2





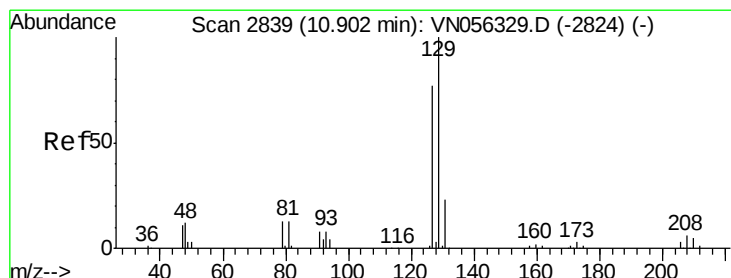
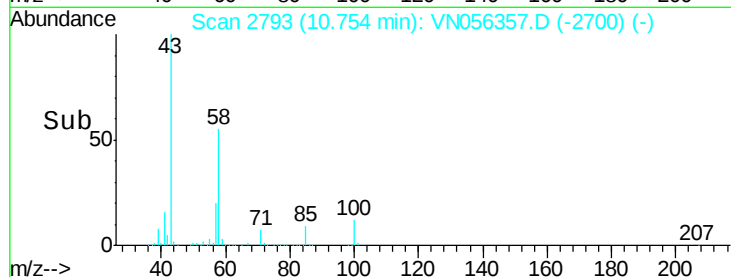
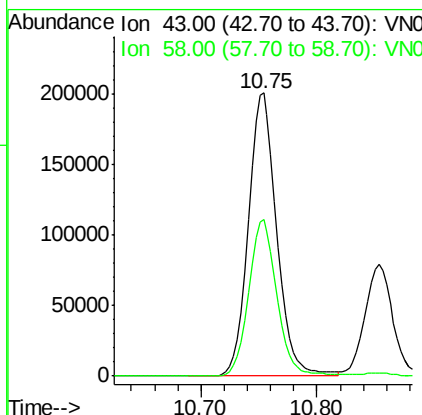
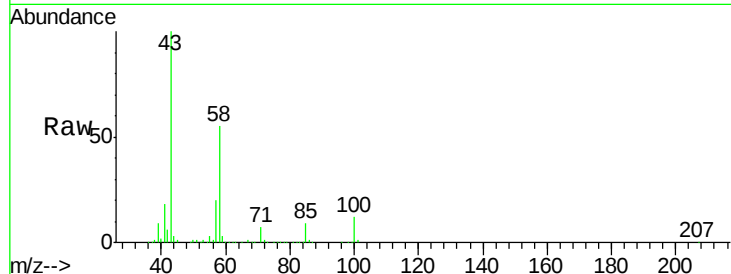
#59
2-Hexanone
Concen: 96.942 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion: 43 Resp: 343410
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4

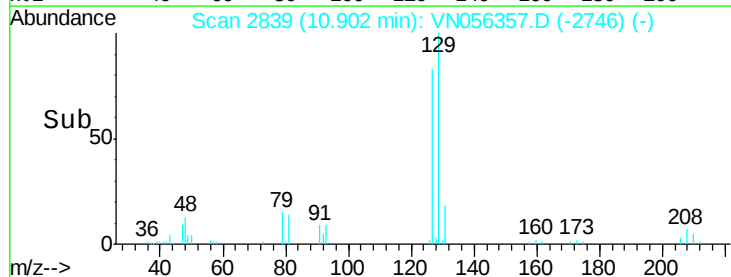
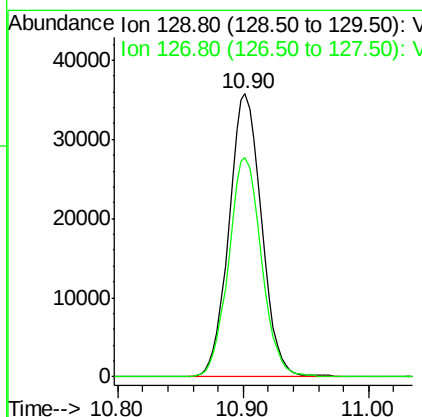
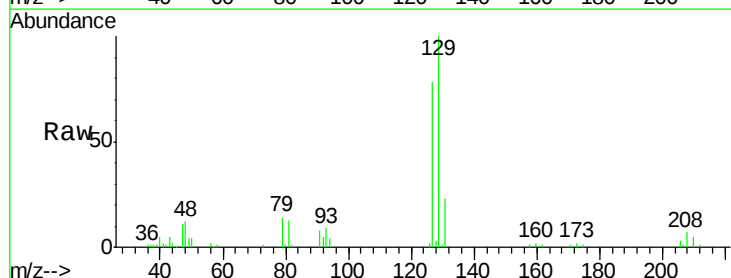
Manual Integrations
APPROVED

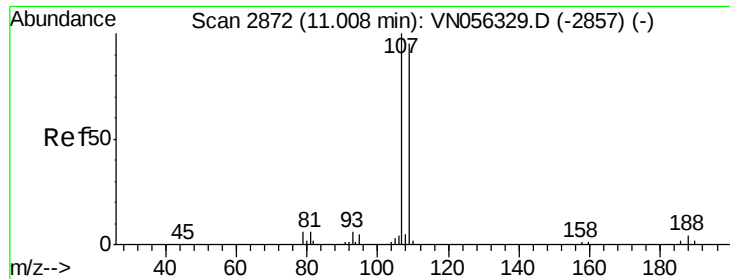
MMDadoda
6/19/2019 12:19:43 PM



#60
Dibromochloromethane
Concen: 16.352 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion: 129 Resp: 64520
Ion Ratio Lower Upper
129 100
127 78.2 38.6 116.0





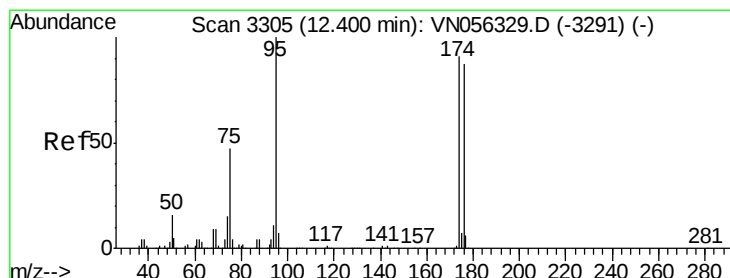
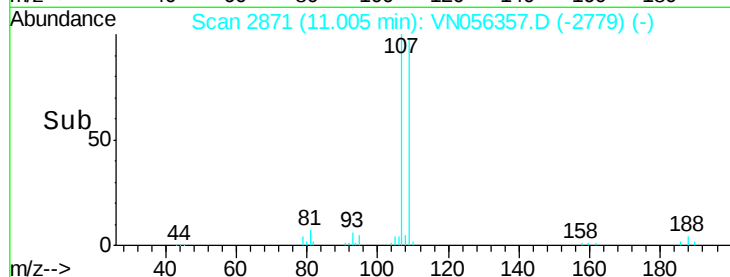
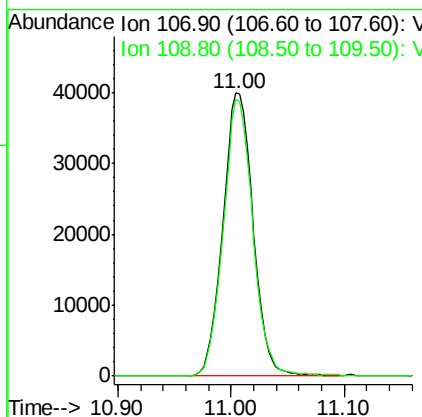
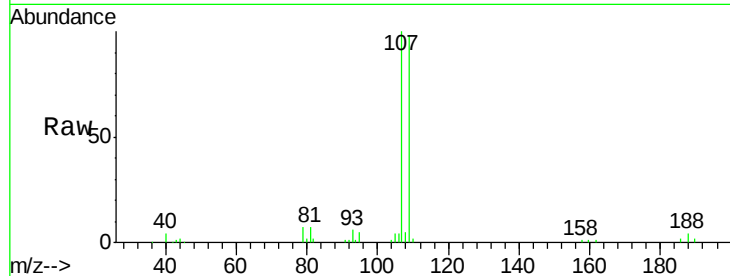
#61
1,2-Dibromoethane
Concen: 19.199 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 107 Resp: 74240
Ion Ratio Lower Upper
107 100
109 95.7 75.4 113.2

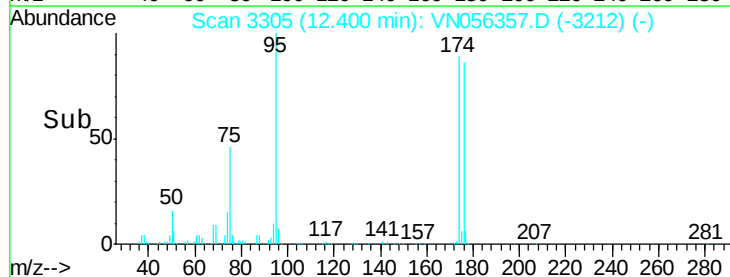
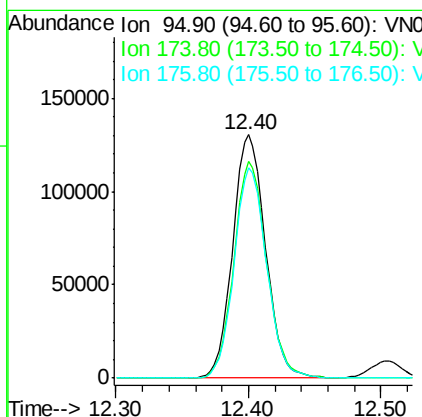
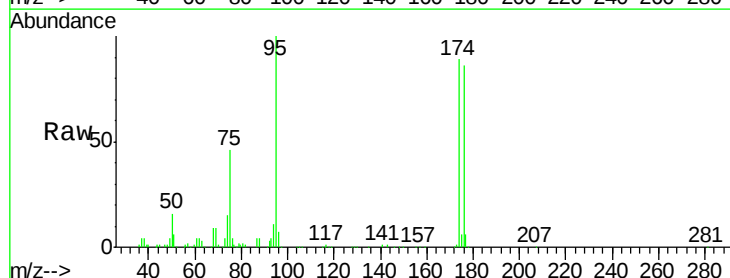
Manual Integrations
APPROVED

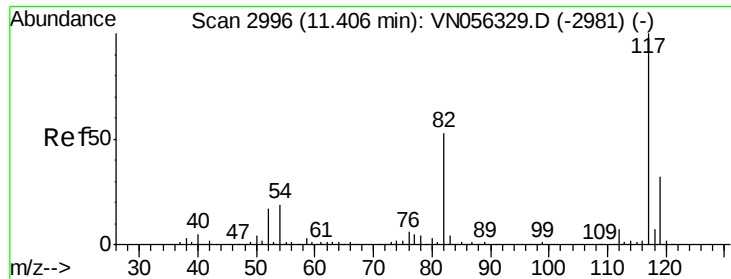
MMDadoda
6/19/2019 12:19:43 PM



#62
4-Bromofluorobenzene
Concen: 50.279 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion: 95 Resp: 224239
Ion Ratio Lower Upper
95 100
174 88.7 0.0 182.6
176 85.8 0.0 176.8





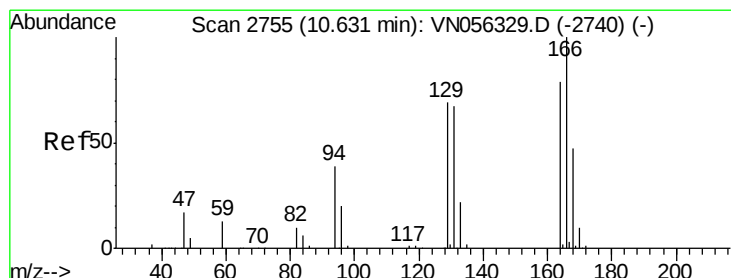
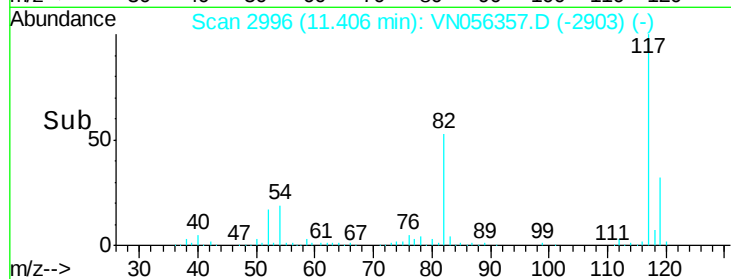
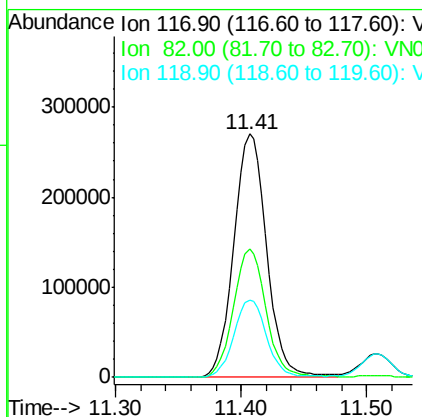
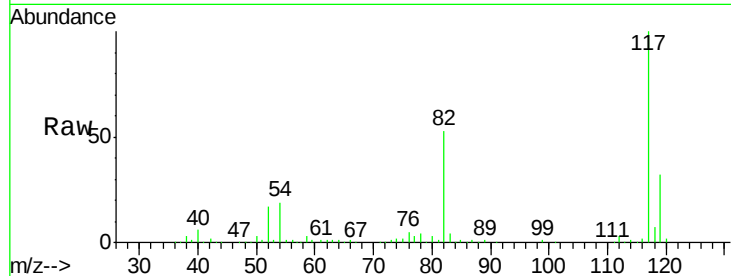
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.4	63.6
119	31.8	26.0	39.0

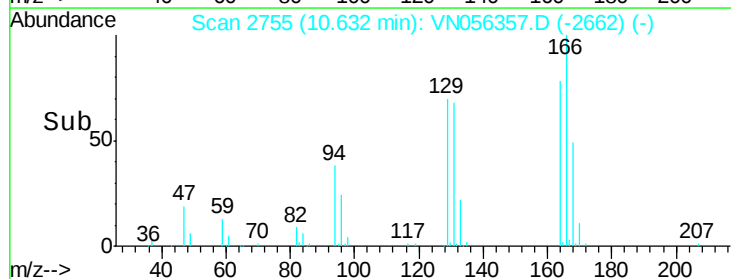
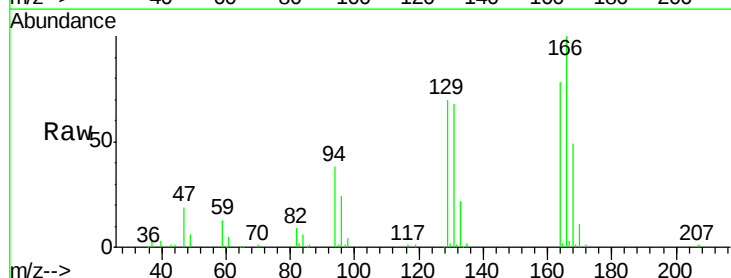
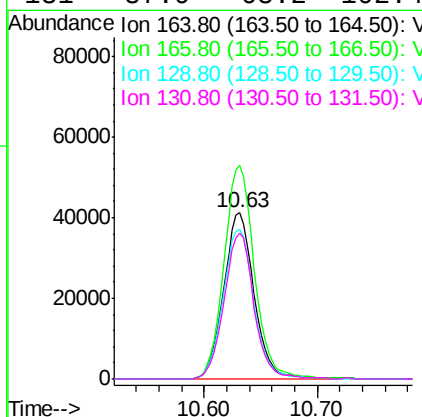
Manual Integrations
APPROVED

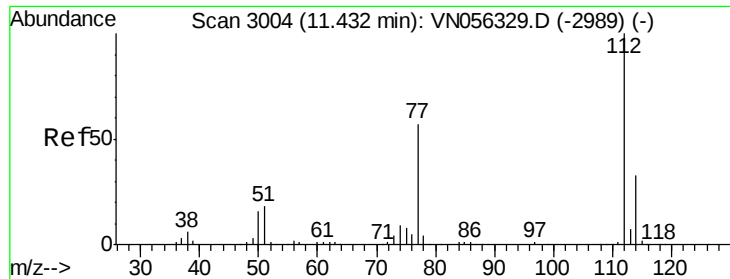
MMDadoda
6/19/2019 12:19:43 PM



#64
Tetrachloroethene
Concen: 19.037 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.8	152.6
129	90.1	70.3	105.5
131	87.9	68.2	102.4





#65

Chlorobenzene

Concen: 19.511 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion:112 Resp: 195147

Ion Ratio Lower Upper

112 100

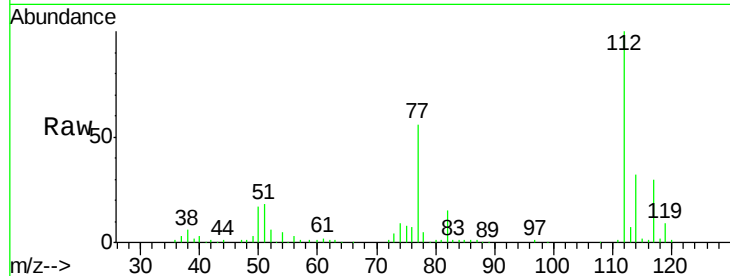
114 32.0 26.1 39.1

Manual Integrations

APPROVED

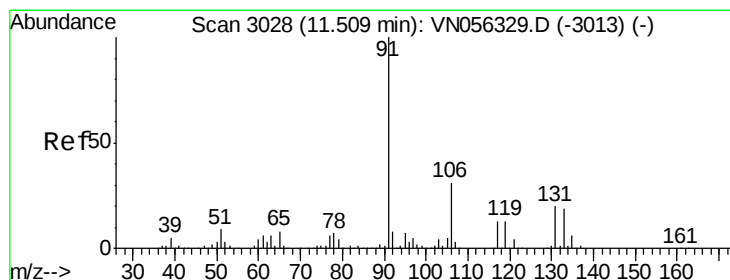
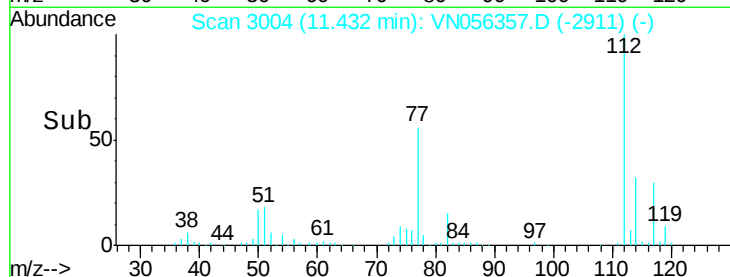
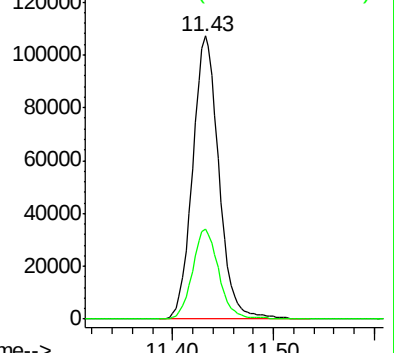
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.801 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

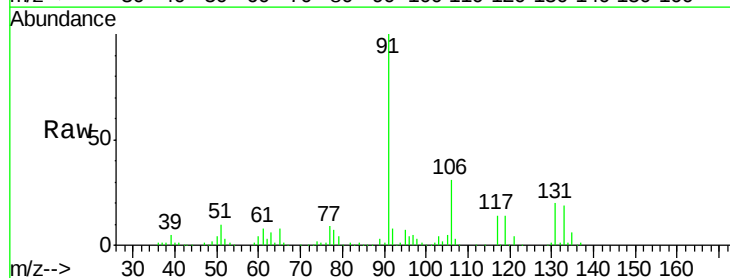
Tgt Ion:131 Resp: 66468

Ion Ratio Lower Upper

131 100

133 95.0 47.9 143.7

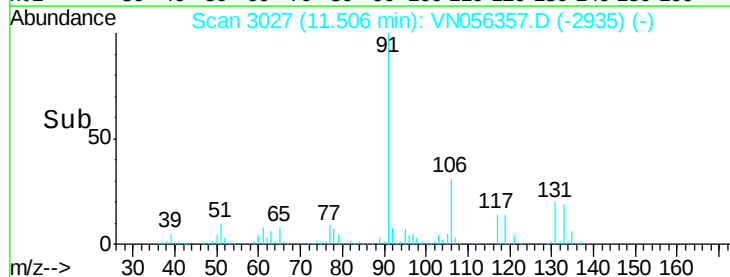
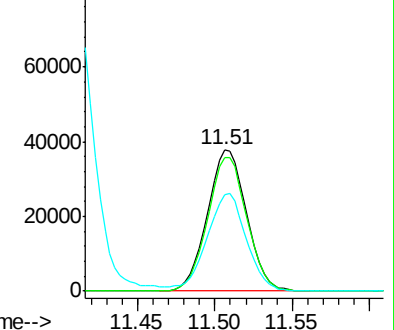
119 69.0 33.5 100.5

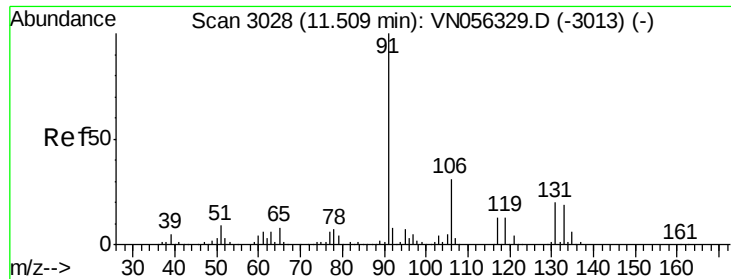


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





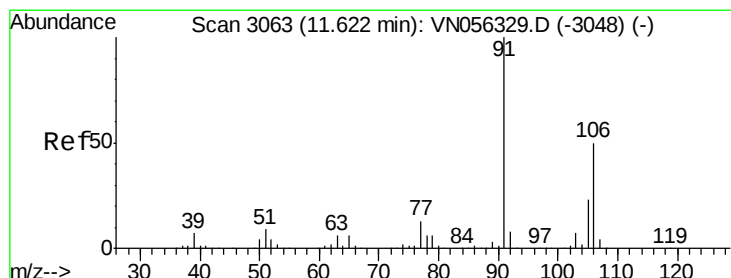
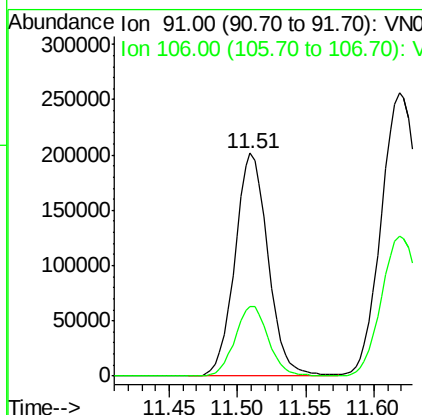
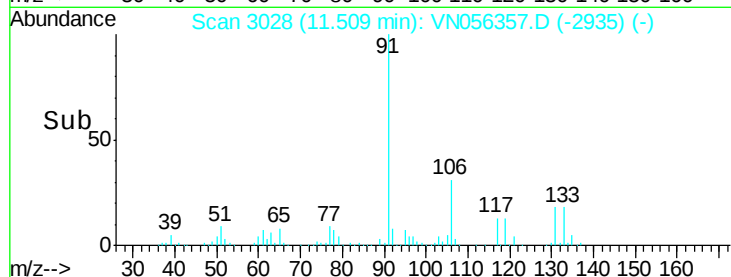
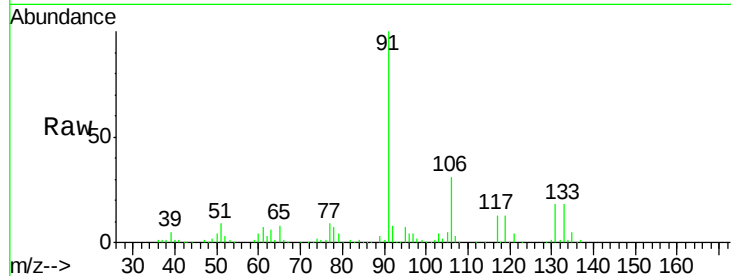
#67
Ethyl Benzene
Concen: 19.824 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion: 91 Resp: 341297
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

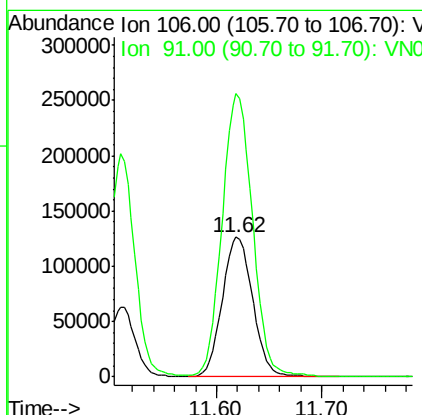
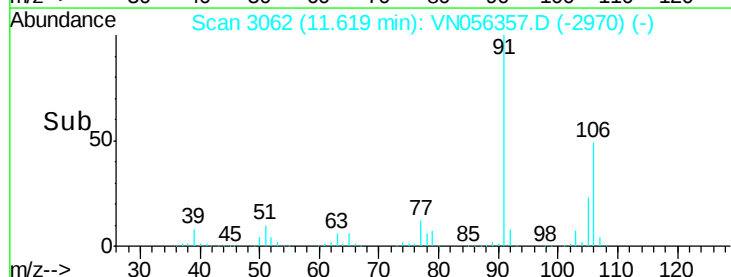
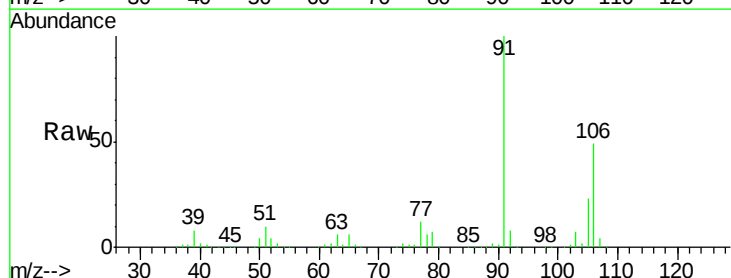
Manual Integrations
APPROVED

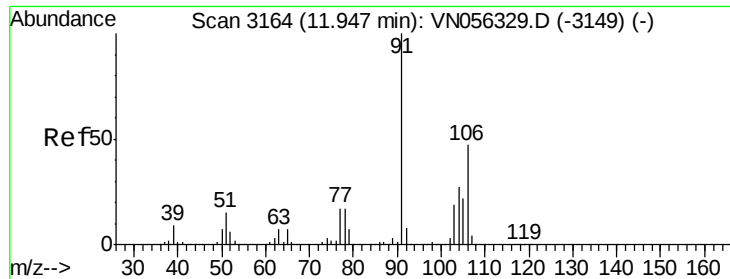
MMDadoda
6/19/2019 12:19:43 PM



#68
m/p-Xylenes
Concen: 39.529 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion: 106 Resp: 253294
Ion Ratio Lower Upper
106 100
91 202.0 160.7 241.1





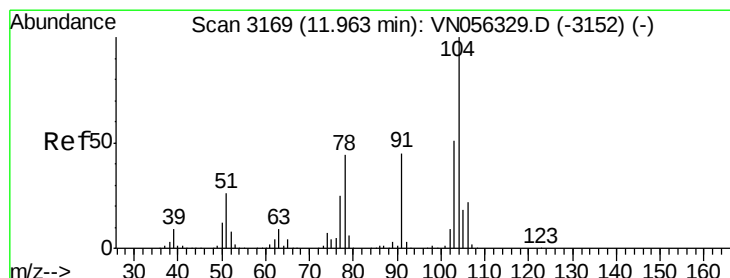
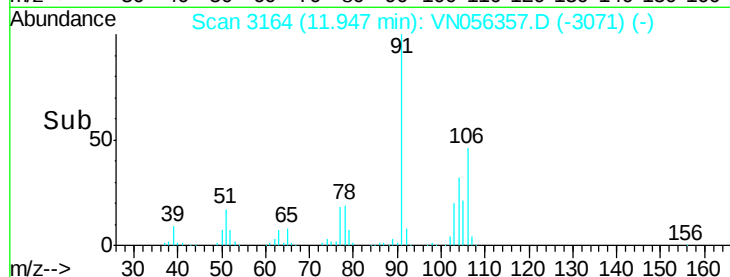
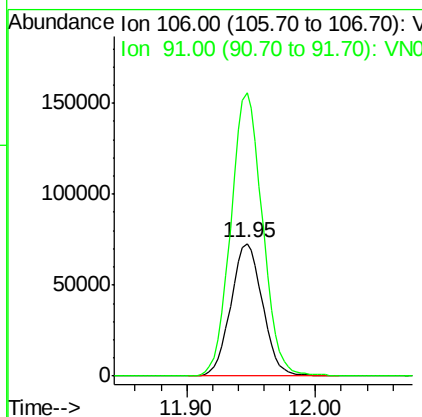
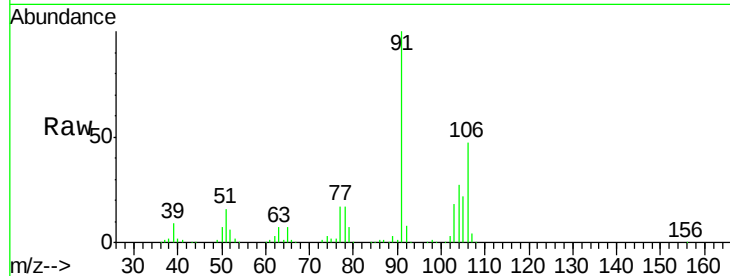
#69
o-Xylene
Concen: 19.715 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	105.6	316.7

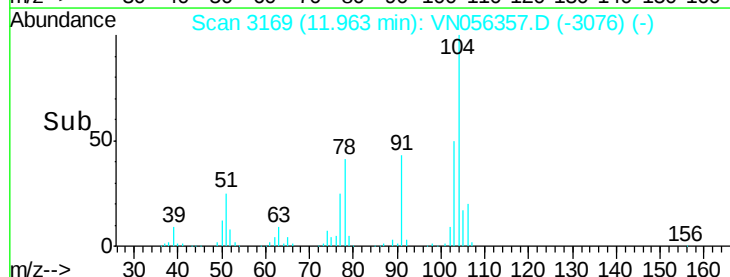
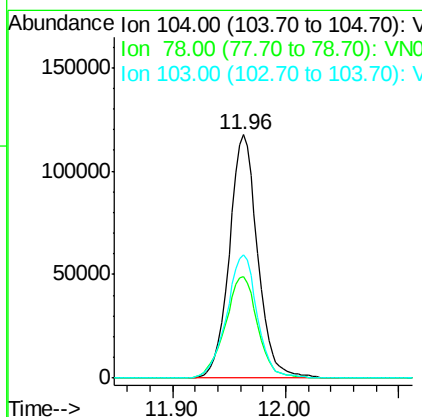
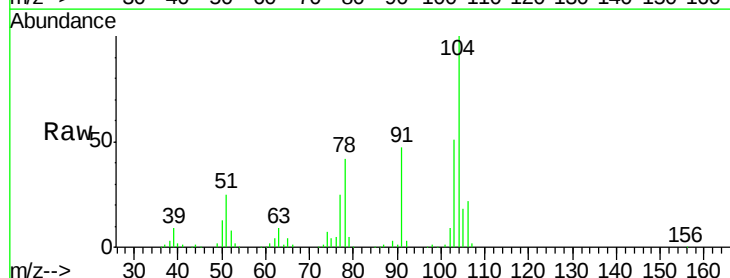
Manual Integrations
APPROVED

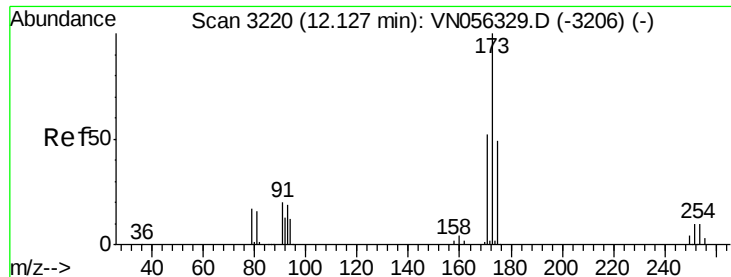
MMDadoda
6/19/2019 12:19:43 PM



#70
Styrene
Concen: 20.035 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.4	57.6
103	54.9	44.0	66.0





#71

Bromoform

Concen: 14.949 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion:173 Resp: 43379

Ion Ratio Lower Upper

173 100

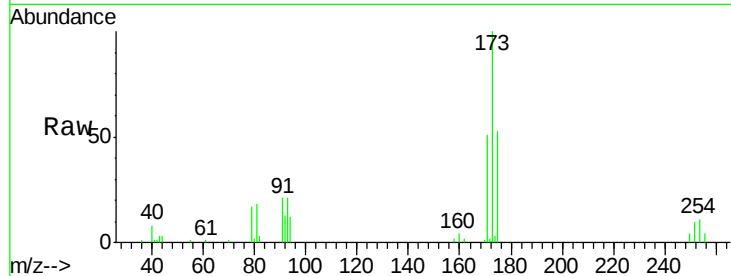
175 49.5 24.3 73.0

254 0.0 0.0 0.0

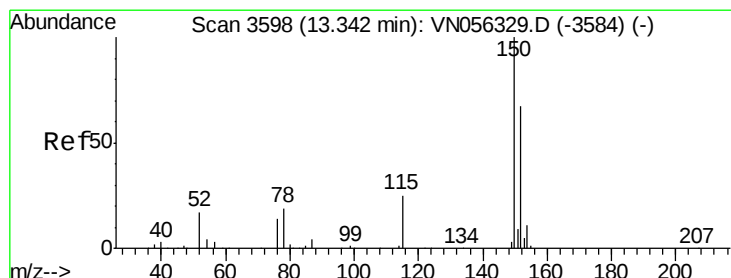
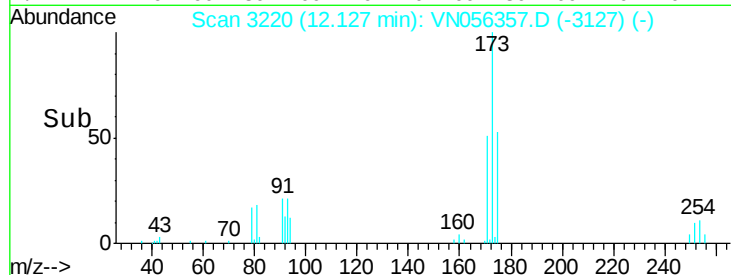
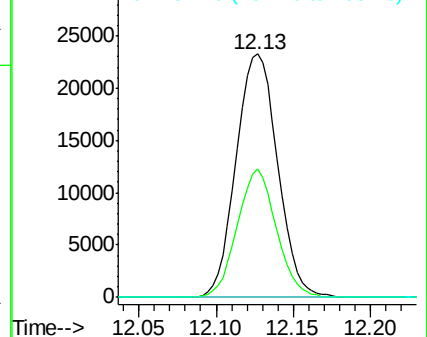
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

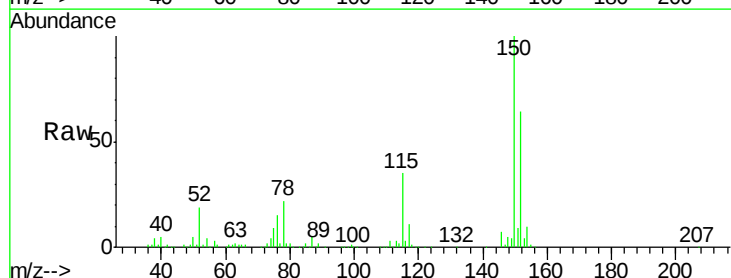
Tgt Ion:152 Resp: 194035

Ion Ratio Lower Upper

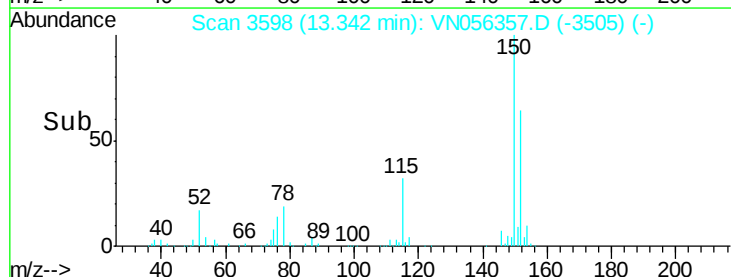
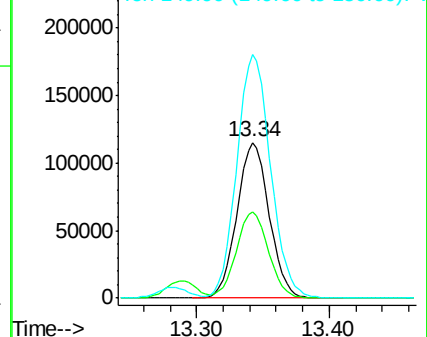
152 100

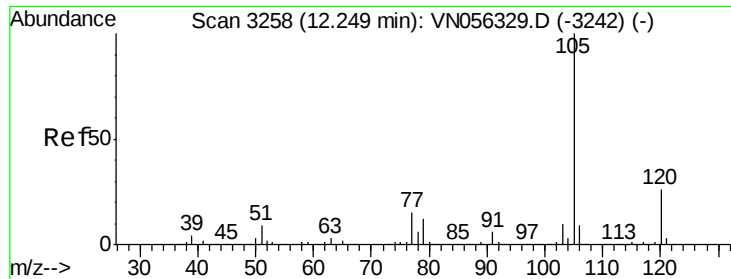
115 55.5 27.8 83.3

150 164.4 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





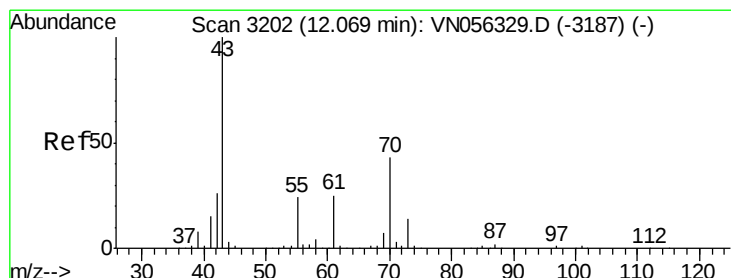
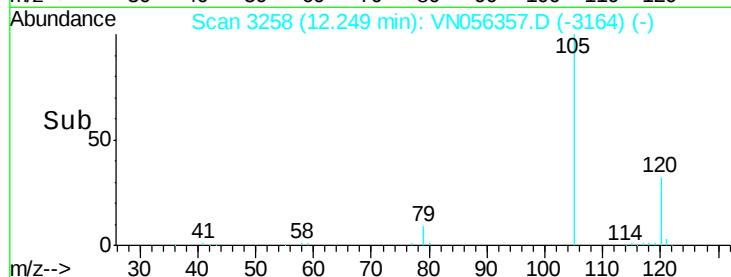
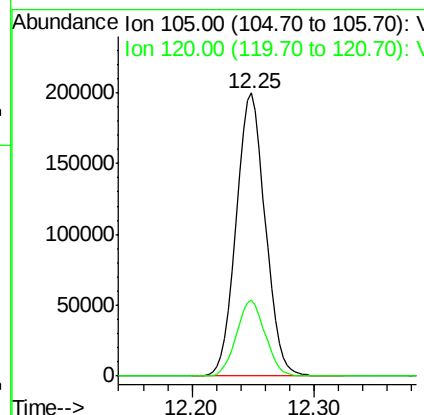
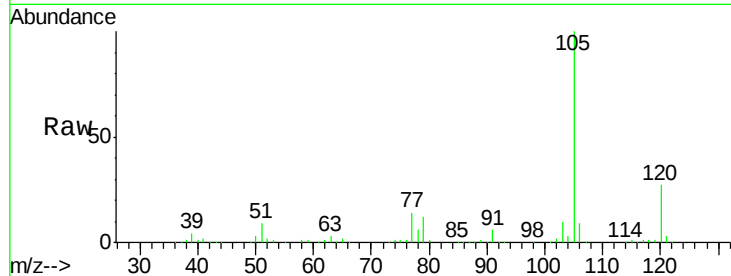
#73
Isopropylbenzene
Concen: 20.756 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

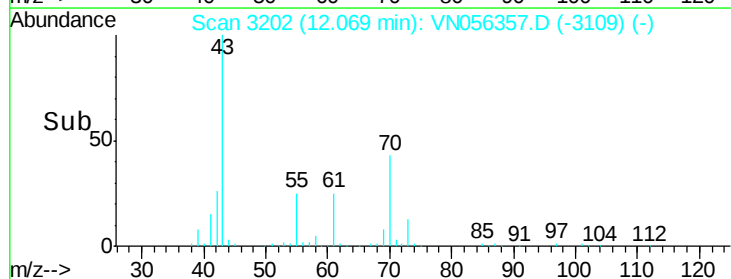
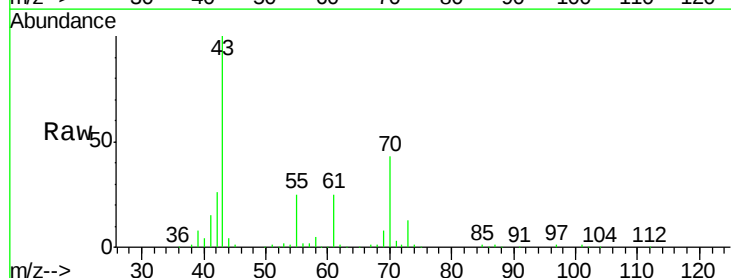
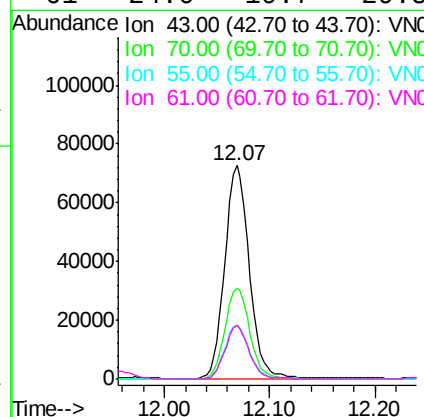
Manual Integrations
APPROVED

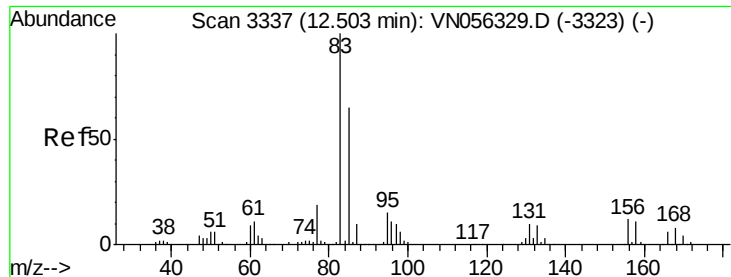
MMDadoda
6/19/2019 12:19:43 PM



#74
N-ethyl acetate
Concen: 19.353 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.2	51.2
55	25.9	19.9	29.9
61	24.0	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.224 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

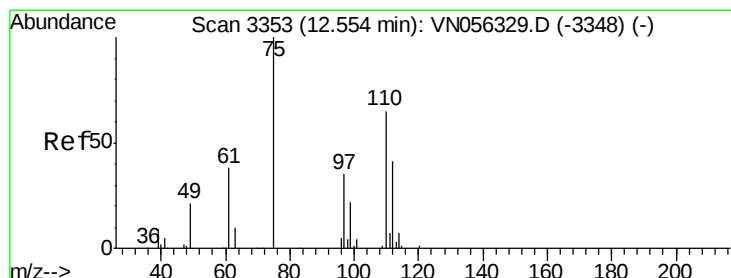
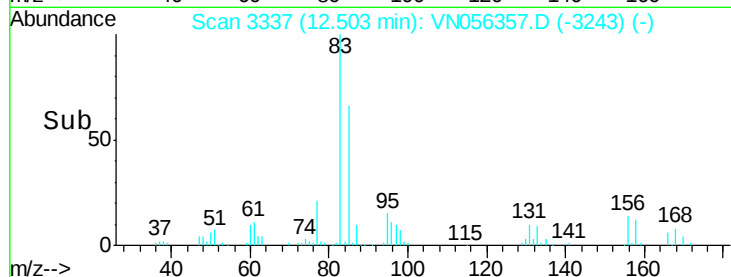
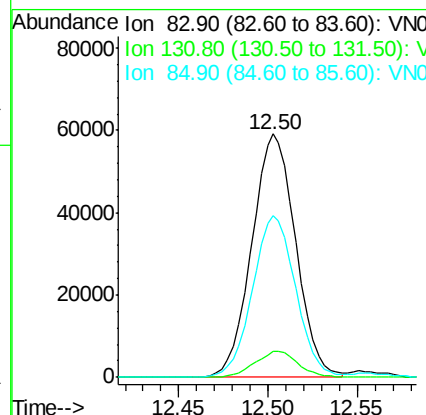
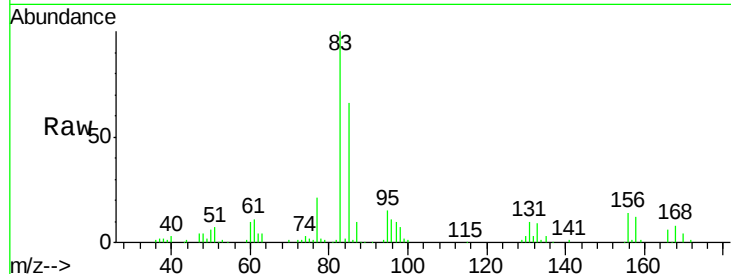
ClientSampled :

VN0618WBS02

Tot Ion:	83	Resp:	101600
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	65.4	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.552 ug/l m

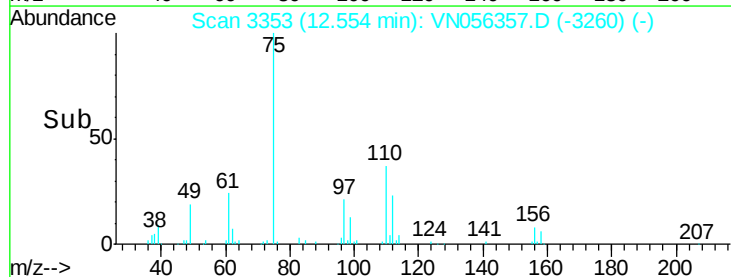
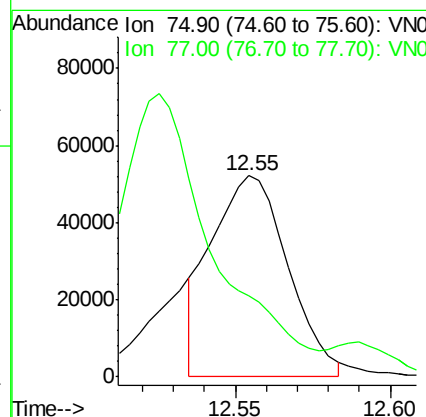
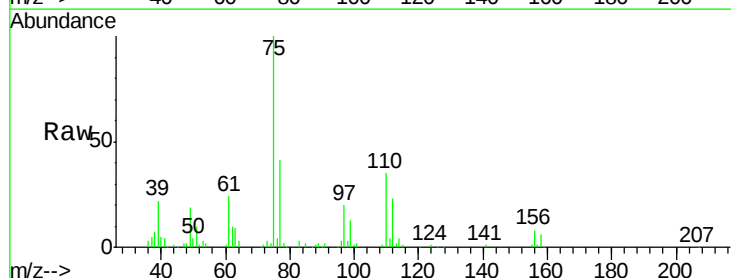
RT: 12.55 min Scan# 3353

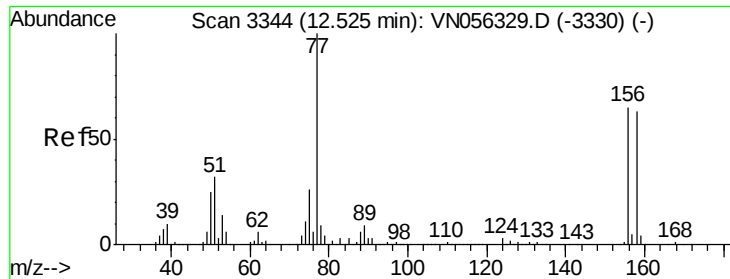
Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Tgt Ion:	75	Resp:	89345
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.572 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

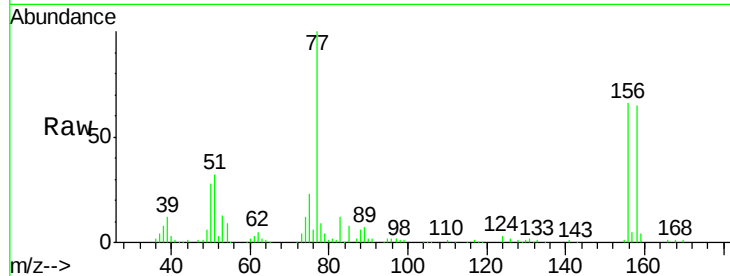
ClientSampleId :

VN0618WBS02

Tot Ion:	156	Resp:	89896
Ion Ratio	Lower	Upper	
156	100		
77	175.7	92.9	278.7
158	93.6	49.0	147.2

Manual Integrations
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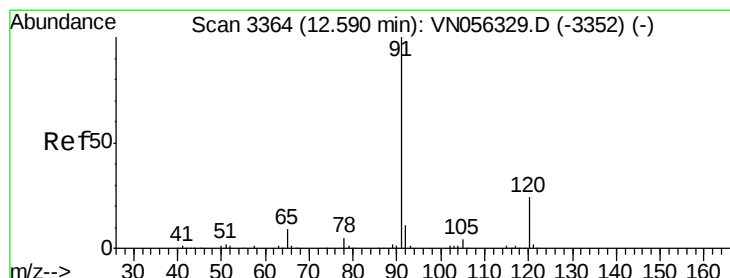
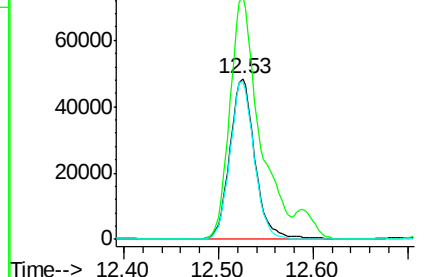
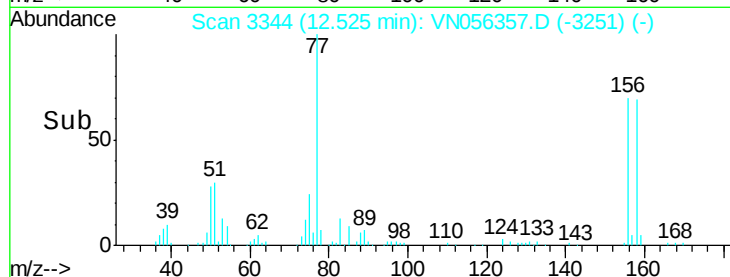
MMDadoda
6/19/2019 12:19:43 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.147 ug/l

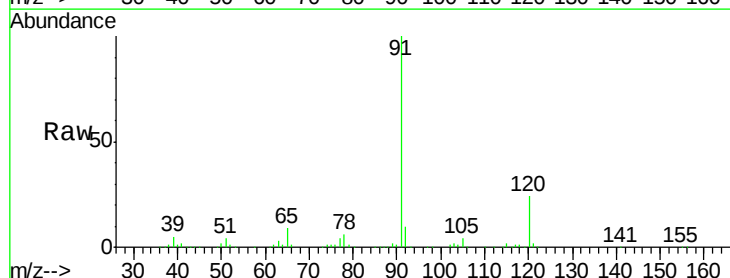
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056357.D

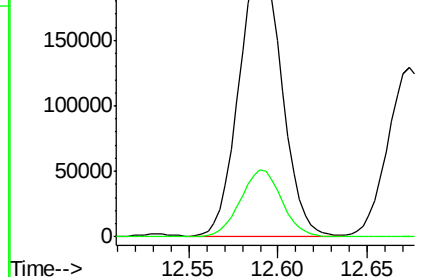
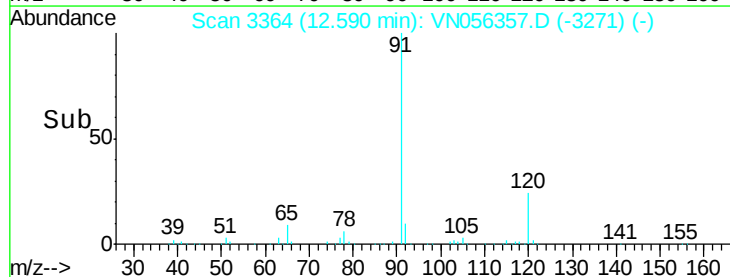
Acq: 18 Jun 2019 11:45

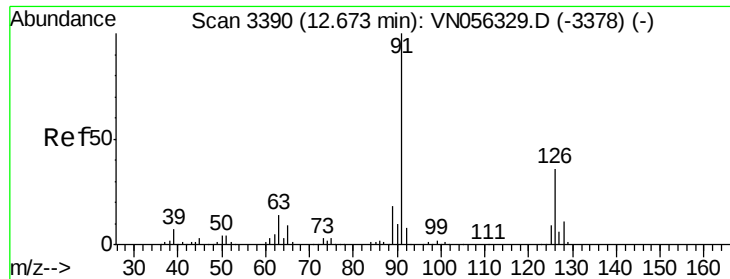
Tgt Ion:	91	Resp:	350905
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





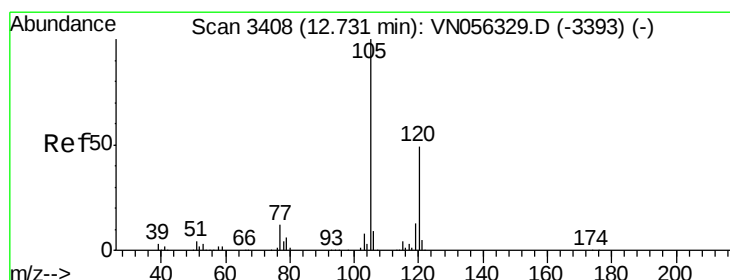
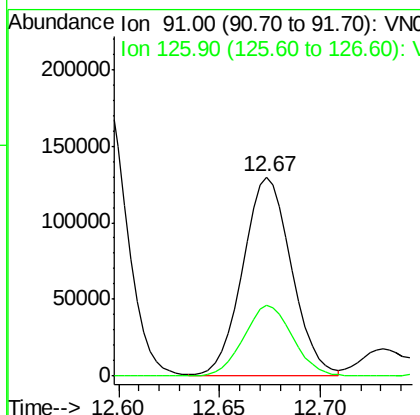
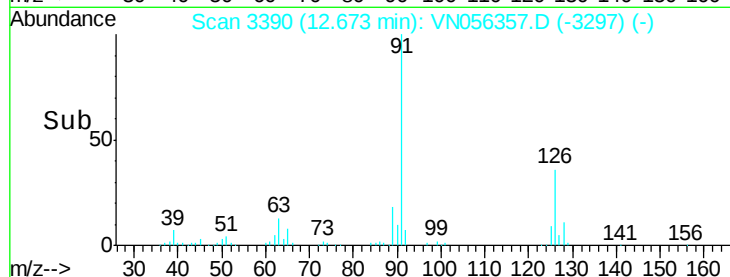
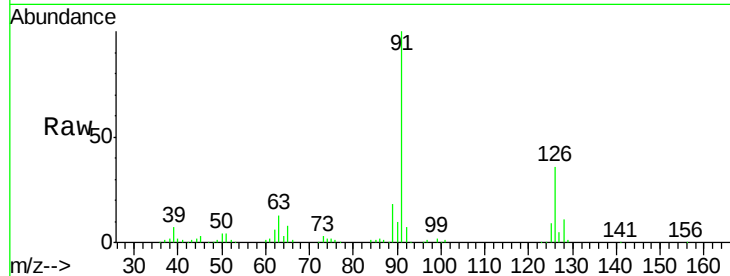
#79
 2-Chlorotoluene
 Concen: 20.634 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion: 91 Resp: 218175
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0

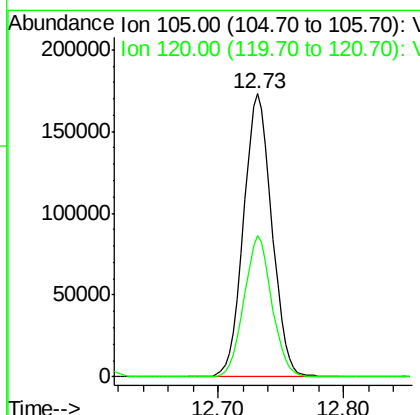
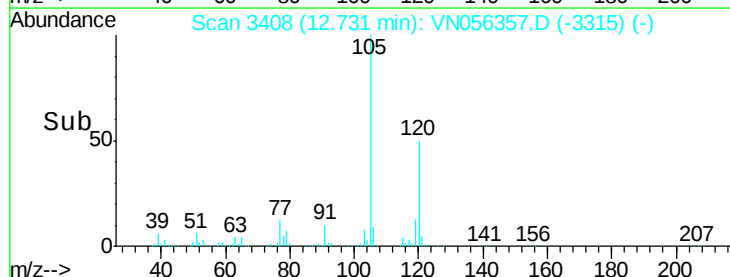
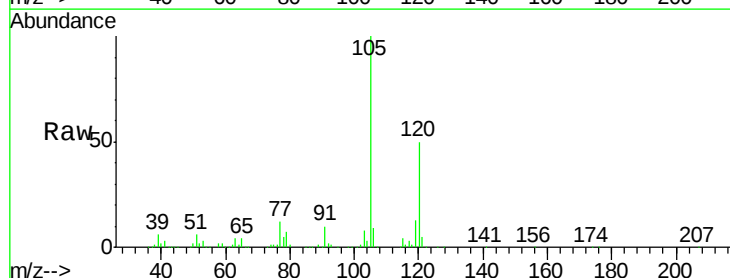
Manual Integrations
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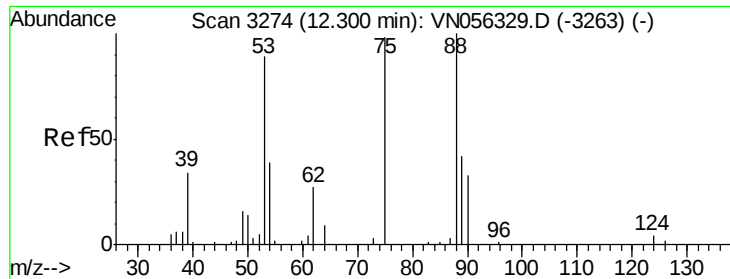
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.028 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion: 105 Resp: 271121
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.4 73.4





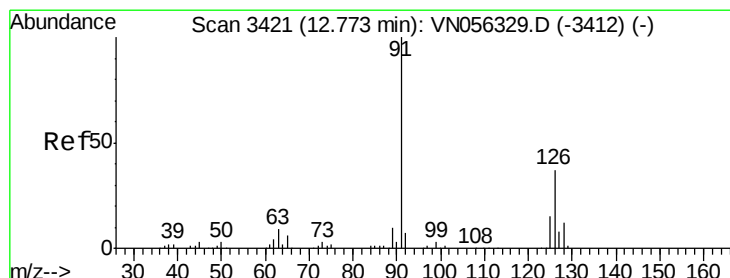
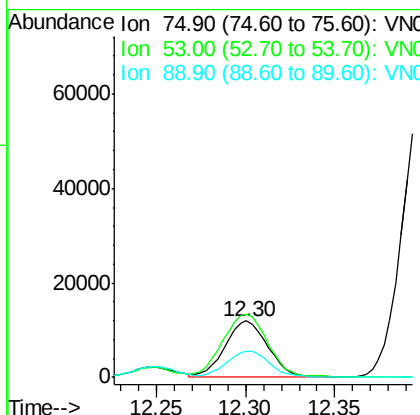
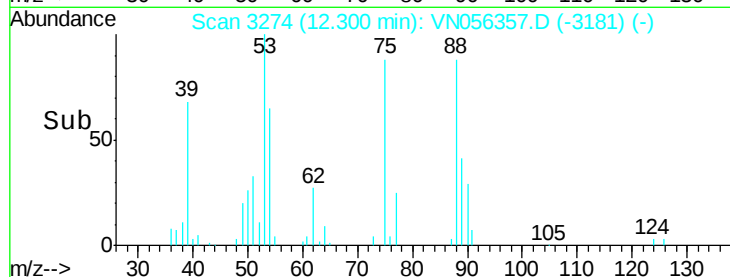
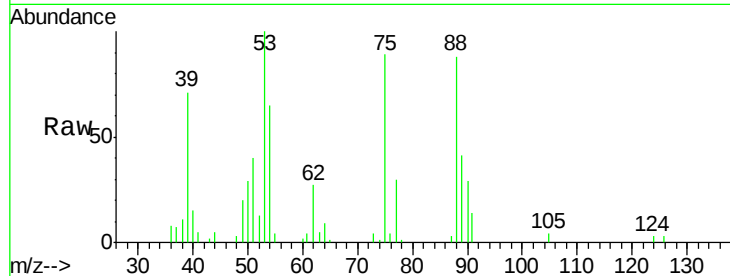
#81
trans-1,4-Dichloro-2-butene
Concen: 15.064 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.8	73.5	110.3
89	46.0	35.4	53.2

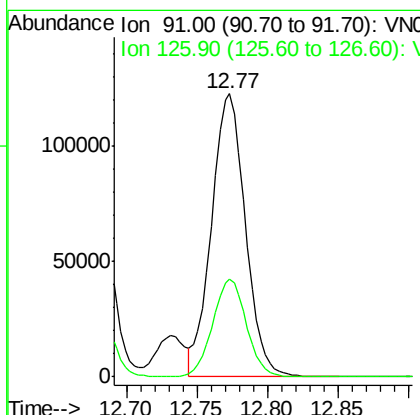
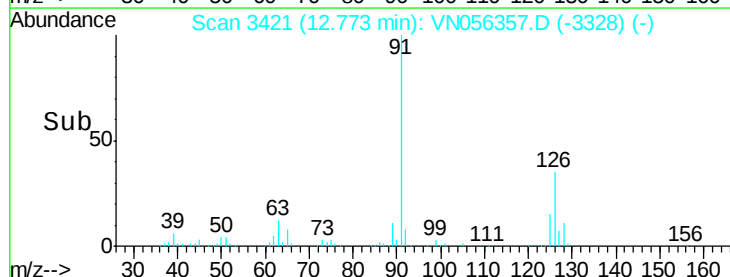
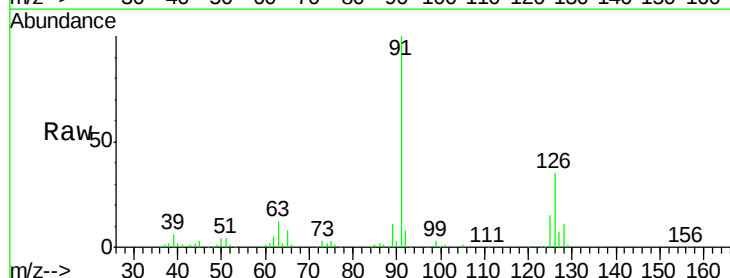
Manual Integrations
APPROVED

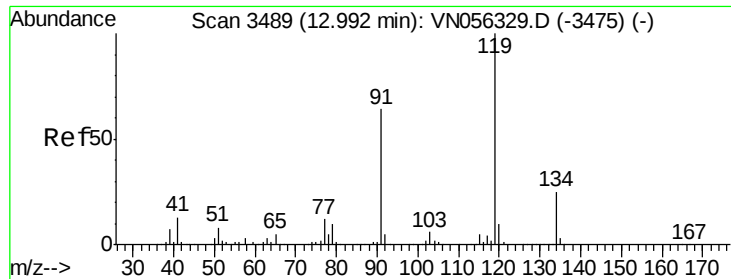
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.011 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.6	52.8





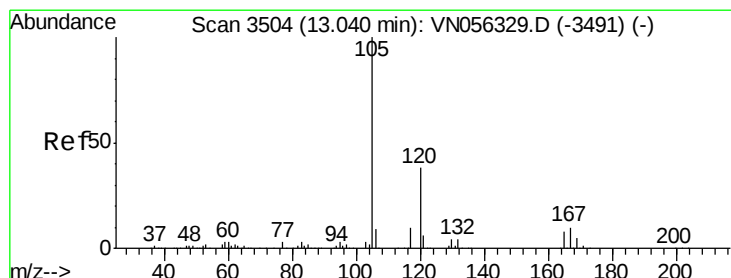
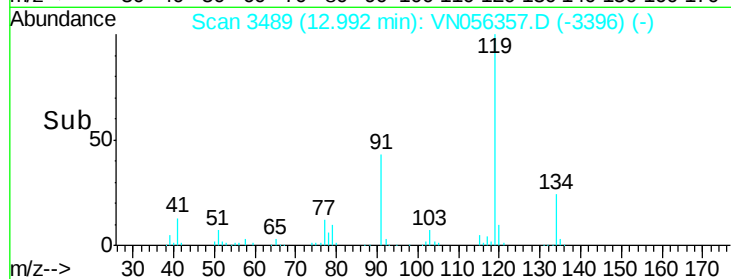
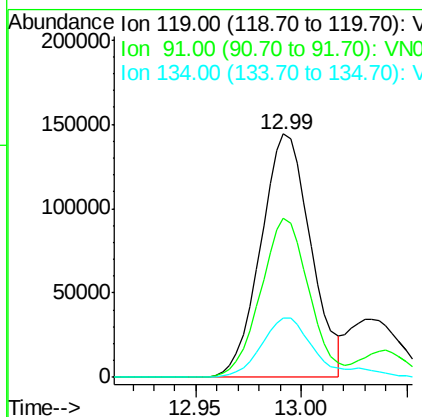
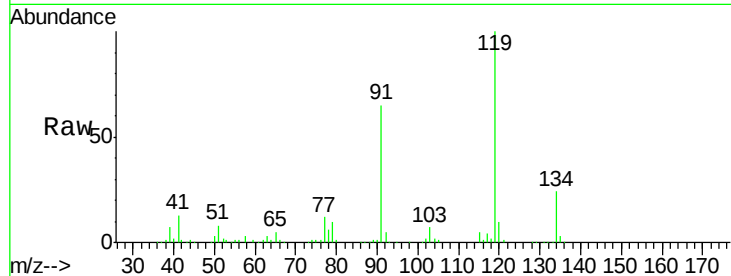
#83
tert-Butylbenzene
Concen: 20.762 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.5	94.5
134	24.6	13.6	40.7

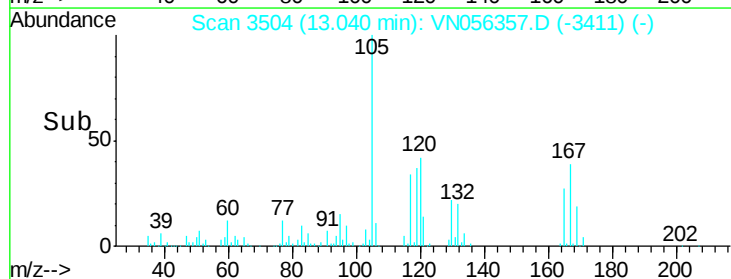
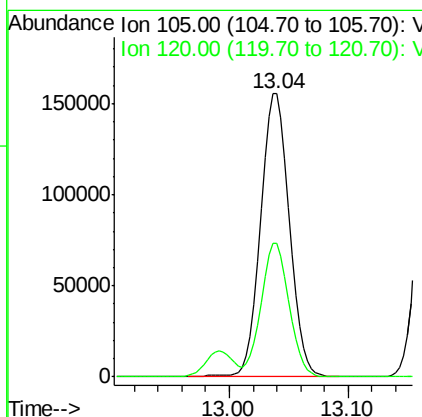
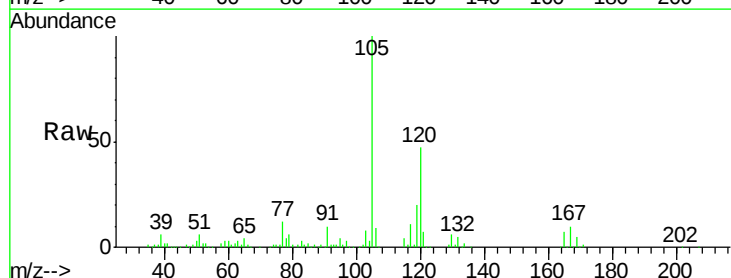
Manual Integrations
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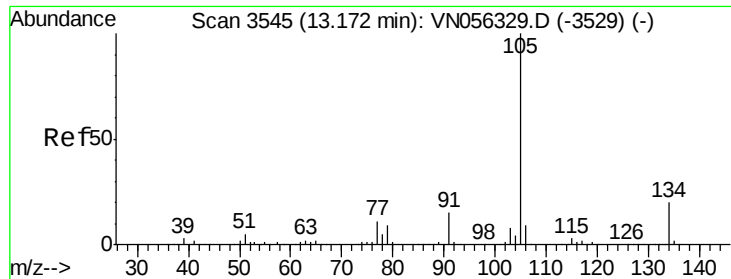
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#84
1,2,4-Trimethylbenzene
Concen: 20.660 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 20.066 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS02

Tot Ion:105 Resp: 306529

Ion Ratio Lower Upper

105 100

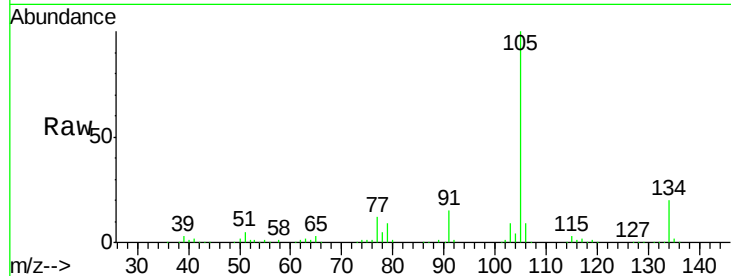
134 20.1 10.2 30.4

Manual Integrations

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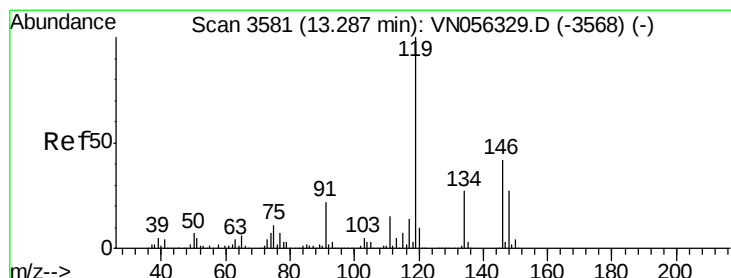
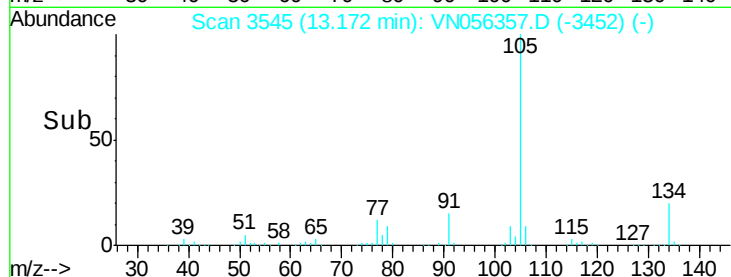
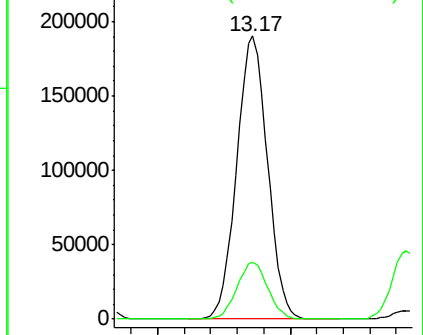
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.478 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

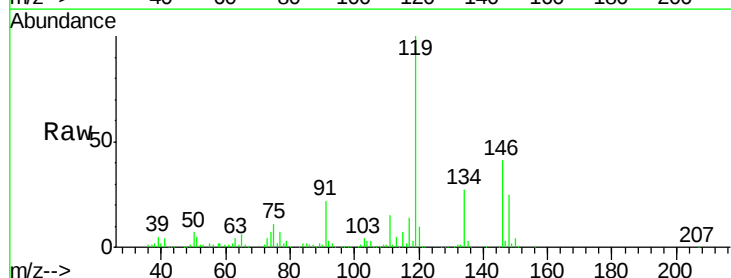
Tgt Ion:119 Resp: 267773

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

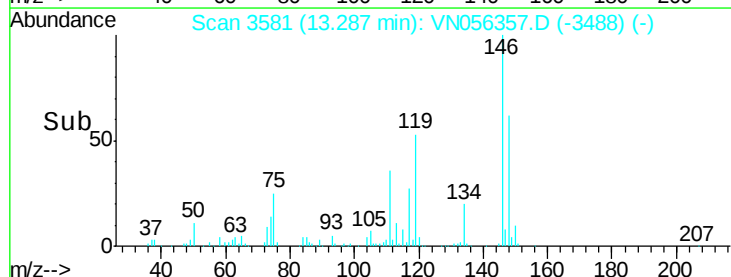
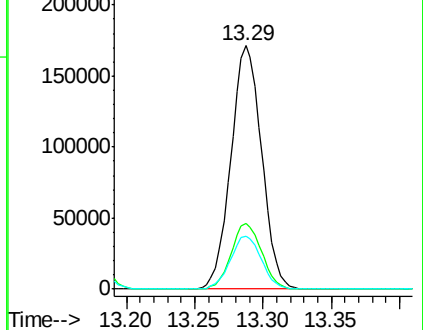
91 22.0 11.0 33.0

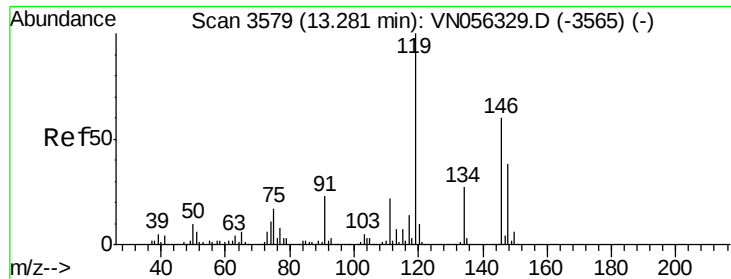


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





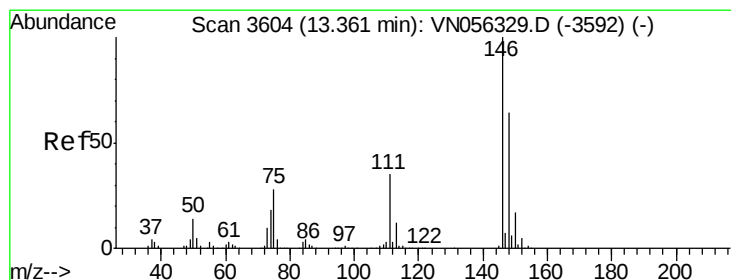
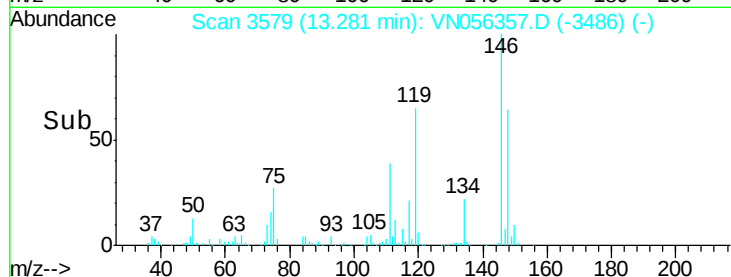
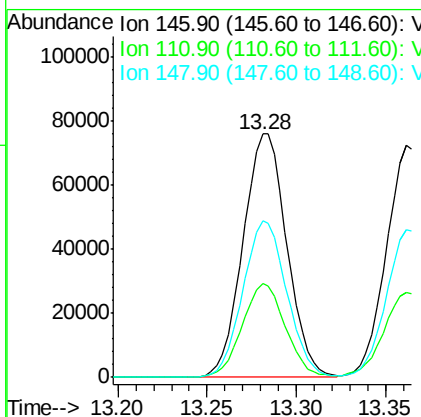
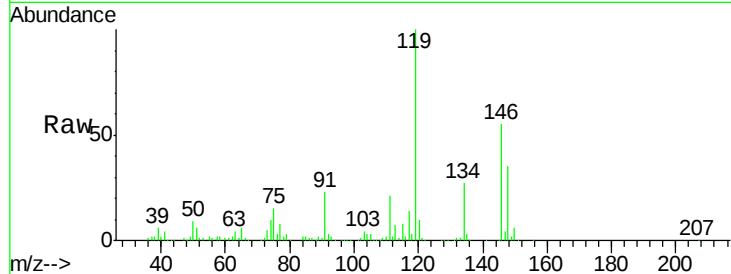
#87
 1,3-Dichlorobenzene
 Concen: 19.720 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.7
148	64.3	31.9	95.5

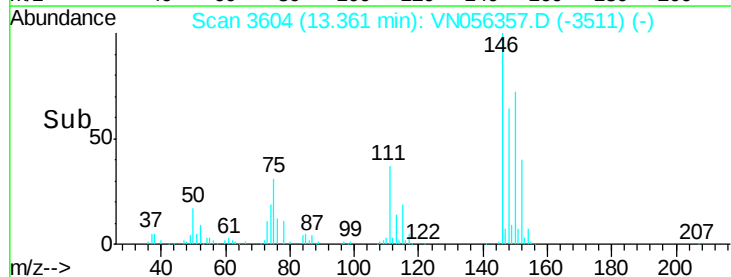
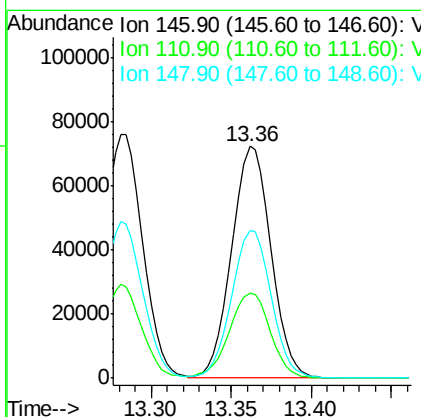
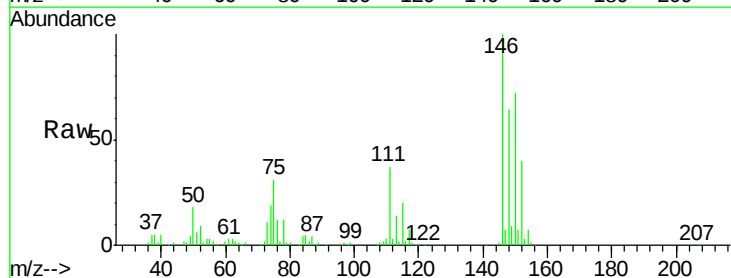
Manual Integrations
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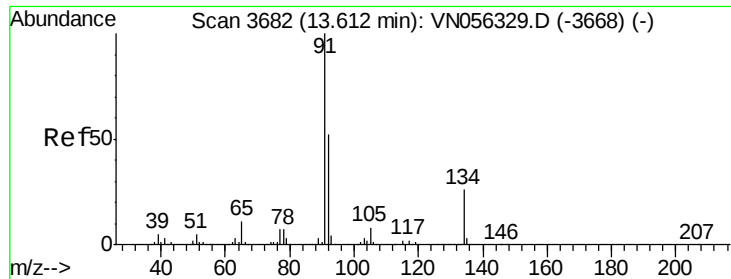
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#88
 1,4-Dichlorobenzene
 Concen: 19.129 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	64.2	32.1	96.5





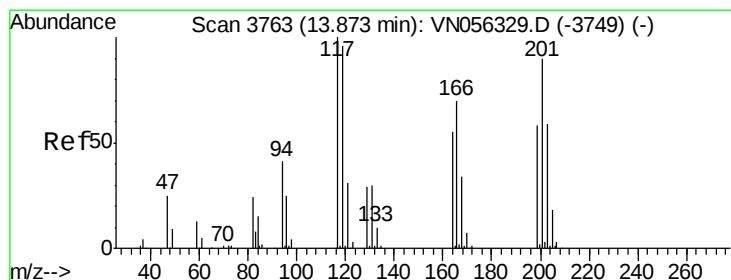
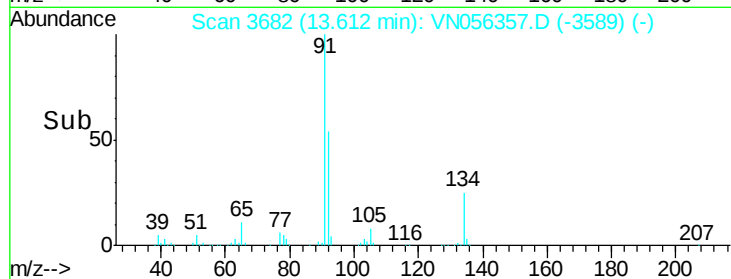
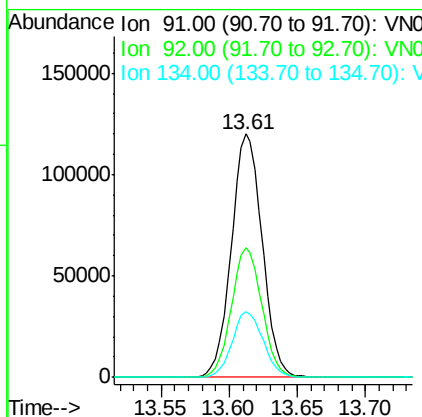
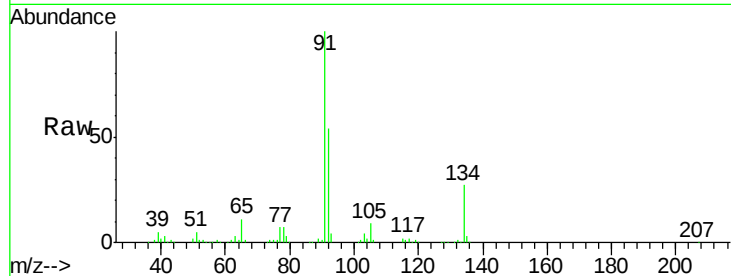
#89
n-Butylbenzene
Concen: 19.243 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	27.1	13.2	39.5

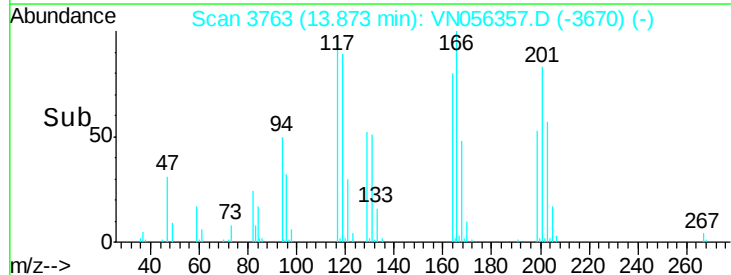
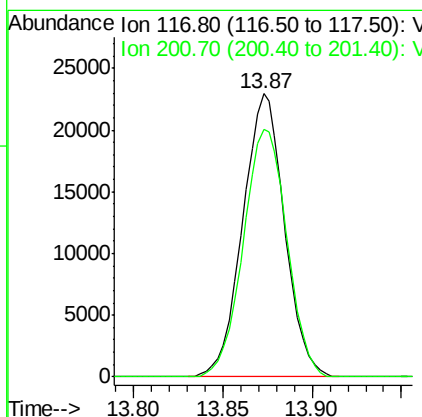
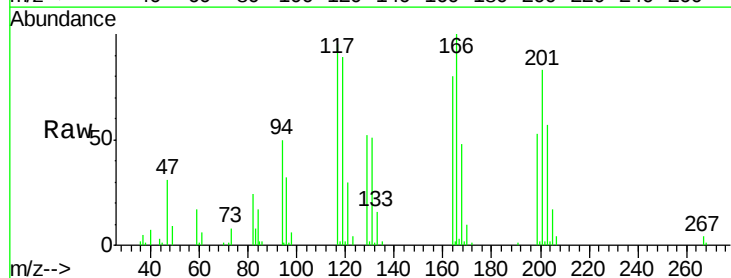
Manual Integrations
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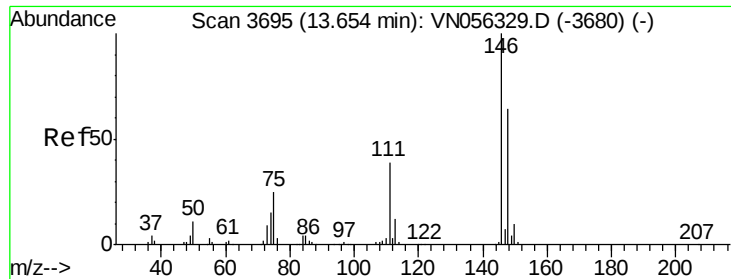
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#90
Hexachloroethane
Concen: 15.177 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056357.D
Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	45.8	137.3





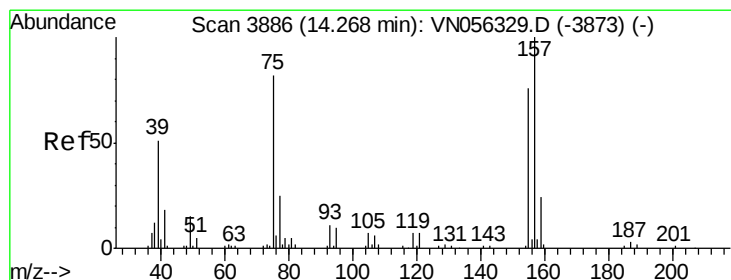
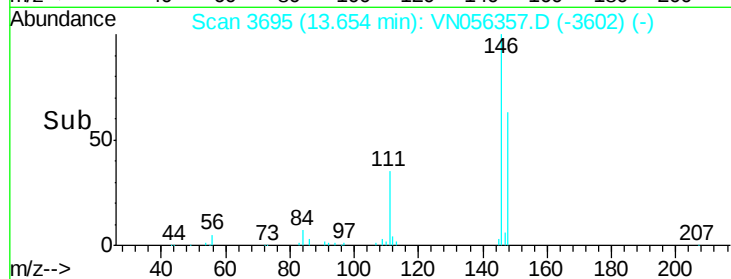
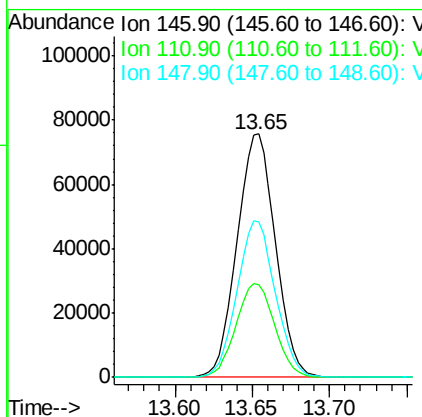
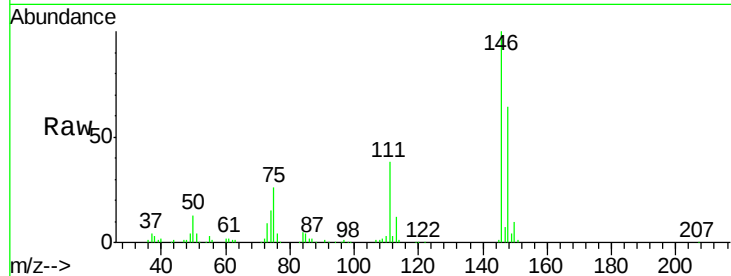
#91
 1,2-Dichlorobenzene
 Concen: 20.176 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.0	32.4	97.2

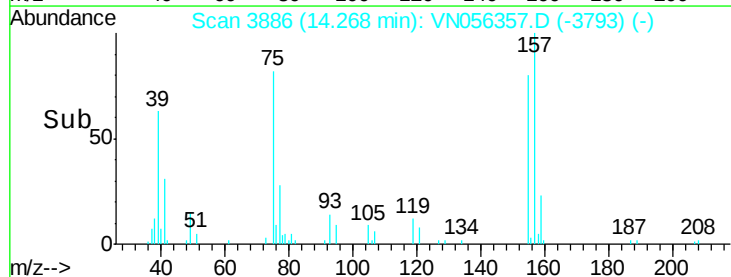
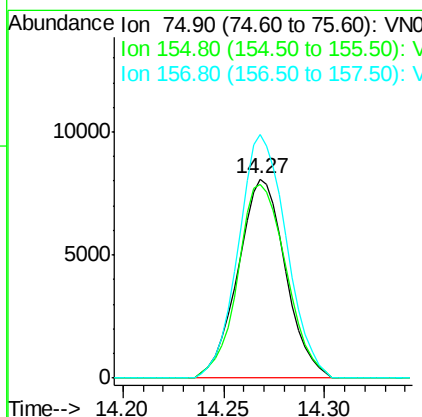
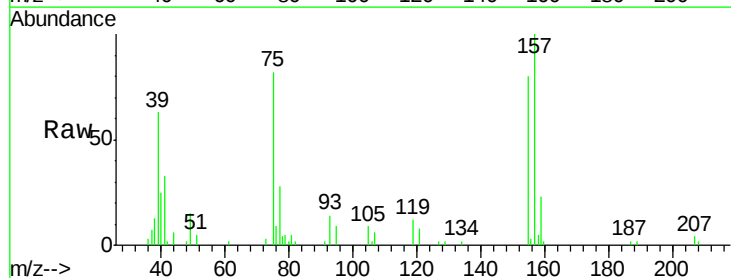
Manual Integrations
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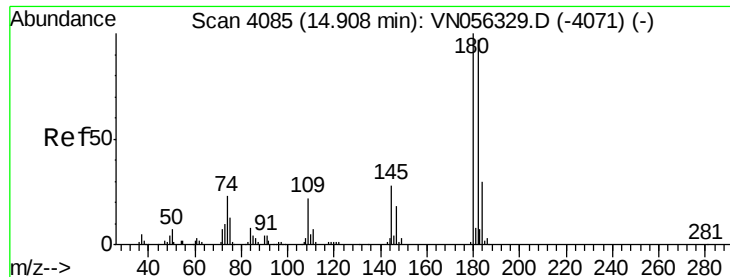
MMDadoda
 6/19/2019 12:19:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.923 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	47.8	143.4
157	123.6	62.8	188.5





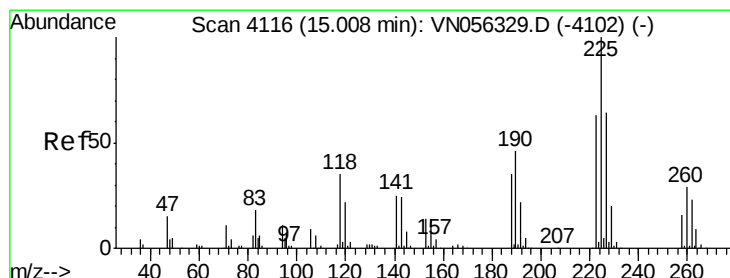
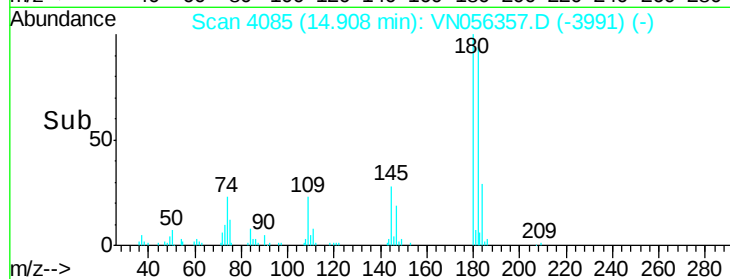
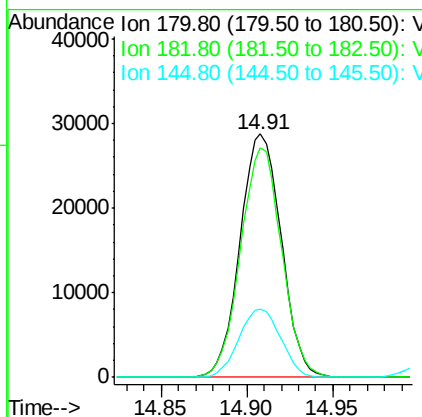
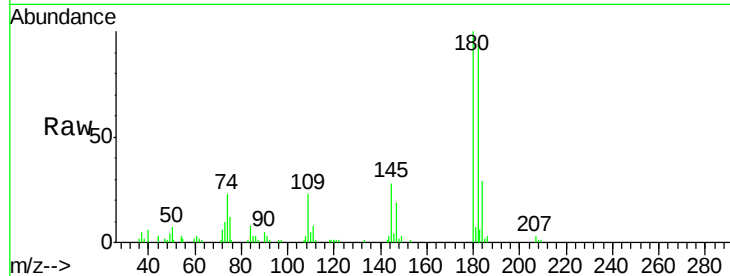
#93
 1,2,4-Trichlorobenzene
 Concen: 18.048 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.3
145	28.5	14.0	41.9

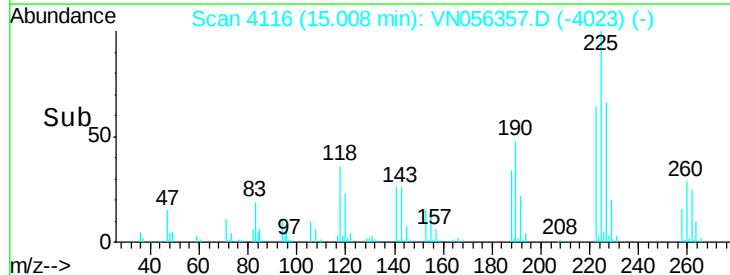
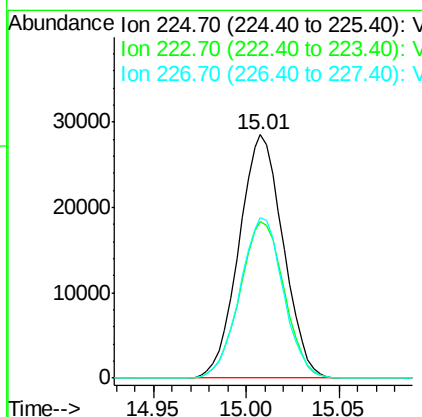
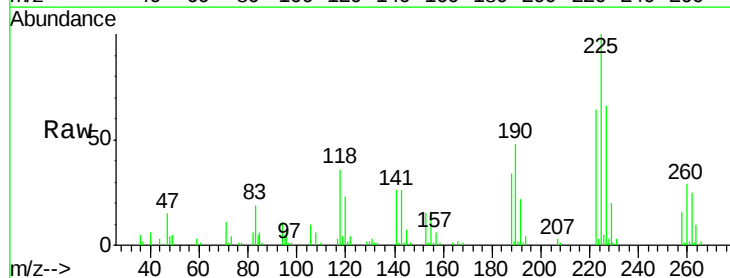
Manual Integrations
 APPROVED

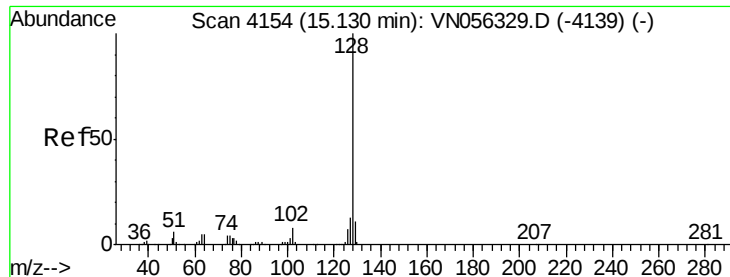
MMDadoda
 6/19/2019 12:19:43 PM



#94
 Hexachlorobutadiene
 Concen: 19.874 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056357.D
 Acq: 18 Jun 2019 11:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.2	93.6
227	64.7	31.7	95.1





#95

Naphthalene

Concen: 19.114 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Instrument :

MSVOA_N

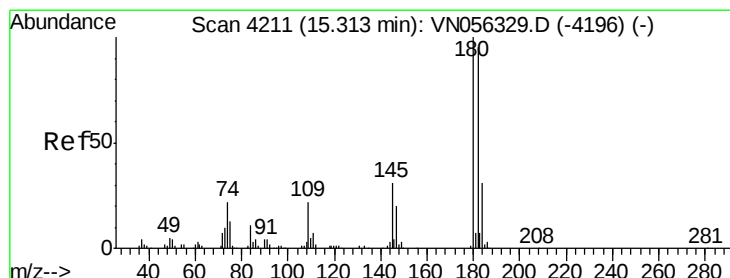
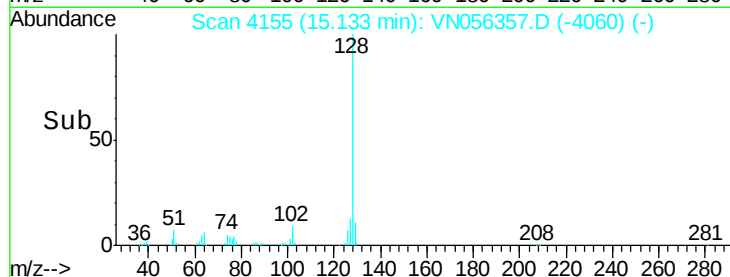
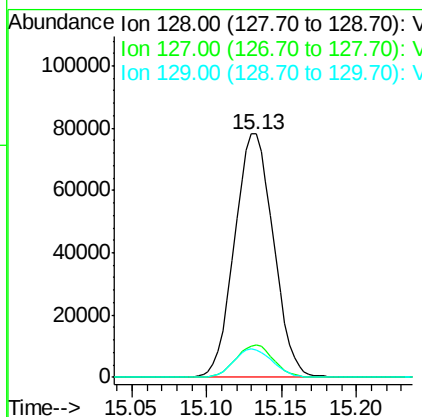
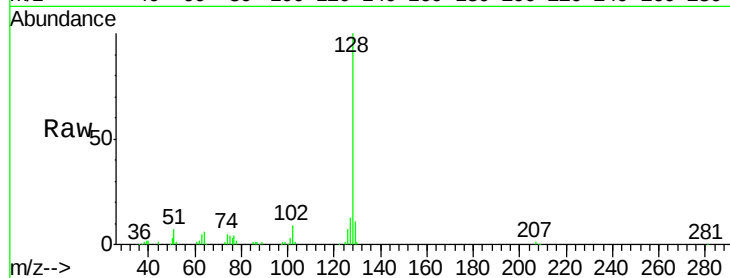
ClientSampleId :

VN0618WBS02

Tot Ion:	128	Resp:	141488
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.6	8.6	12.8

Manual Integrations
APPROVED

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6/19/2019 12:19:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.925 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056357.D

Acq: 18 Jun 2019 11:45

Tgt Ion:	180	Resp:	57619
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.4
145	29.5	14.9	44.9

