

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057640.D
 Acq On : 1 Sep 2019 13:31
 Operator : JC/SP
 Sample : VN0902WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:02:54 AM

Quant Time: Sep 02 02:15:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	188682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	288348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	118725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	221975	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
35) Dibromofluoromethane	7.58	113	137394	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	534717	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	186446	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	62260	20.635	ug/l	99
3) Chloromethane	2.05	50	72272	20.778	ug/l	98
4) Vinyl Chloride	2.18	62	57996	21.287	ug/l	97
5) Bromomethane	2.51	94	38136	22.123	ug/l	93
6) Chloroethane	2.66	64	32820	21.567	ug/l	94
7) Trichlorofluoromethane	3.00	101	79653	20.828	ug/l	99
8) Diethyl Ether	3.40	74	26995	21.332	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39404	20.324	ug/l	95
10) Methyl Iodide	3.92	142	50833	20.307	ug/l	99
11) Tert butyl alcohol	4.81	59	43656	97.654	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	36236	20.618	ug/l	90
13) Acrolein	3.59	56	16718	94.054	ug/l	89
14) Allyl chloride	4.29	41	105567	19.254	ug/l	96
15) Acrylonitrile	4.98	53	142514	106.239	ug/l	96
16) Acetone	3.81	43	111483	93.328	ug/l	99
17) Carbon Disulfide	4.02	76	107705	18.956	ug/l	98
18) Methyl Acetate	4.31	43	82334	20.074	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	191009	21.007	ug/l	100
20) Methylene Chloride	4.53	84	62302	21.068	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	53734	20.565	ug/l	97
22) Diisopropyl ether	5.94	45	233726	20.737	ug/l	99
23) Vinyl Acetate	5.88	43	902186	104.152	ug/l	100
24) 1,1-Dichloroethane	5.82	63	117463	20.761	ug/l	98
25) 2-Butanone	6.83	43	198994	99.975	ug/l	98
26) 2,2-Dichloropropane	6.81	77	87666	19.385	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	64722	20.743	ug/l	99
28) Bromochloromethane	7.18	49	61946	20.560	ug/l	99
29) Tetrahydrofuran	7.20	42	129962	104.073	ug/l	100
30) Chloroform	7.36	83	117043	20.392	ug/l	99
31) Cyclohexane	7.64	56	113903	20.171	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	97390	20.685	ug/l	98
36) 1,1-Dichloropropene	7.78	75	83650	19.927	ug/l	98
37) Ethyl Acetate	6.92	43	83912	20.985	ug/l	99
38) Carbon Tetrachloride	7.75	117	73121	19.459	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98837	19.928	ug/l	97
40) Benzene	8.03	78	251521	20.583	ug/l	100
41) Methacrylonitrile	7.17	41	40176	19.389	ug/l	98
42) 1,2-Dichloroethane	8.11	62	105509	21.258	ug/l	99
43) Isopropyl Acetate	8.16	43	146479	20.361	ug/l	99
44) Trichloroethene	8.83	130	57416	20.712	ug/l	97
45) 1,2-Dichloropropane	9.11	63	71984	21.149	ug/l	98
46) Dibromomethane	9.20	93	44468	21.100	ug/l	97
47) Bromodichloromethane	9.39	83	83760	19.562	ug/l	98
48) Methyl methacrylate	9.20	41	75997	20.690	ug/l	96
49) 1,4-Dioxane	9.20	88	17044	396.272	ug/l	90
51) 4-Methyl-2-Pentanone	9.98	43	434508	105.378	ug/l	99
52) Toluene	10.15	92	150441	20.830	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	83890	19.629	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	97166	19.636	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	58374	21.303	ug/l	98
56) Ethyl methacrylate	10.43	69	91003	19.901	ug/l	96
57) 1,3-Dichloropropane	10.71	76	103858	20.659	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	124190	92.829	ug/l	99
59) 2-Hexanone	10.75	43	300004	99.077	ug/l	96
60) Dibromochloromethane	10.90	129	51166	19.370	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56073	20.323	ug/l	98
64) Tetrachloroethene	10.63	164	52191	20.903	ug/l	98
65) Chlorobenzene	11.43	112	149822	20.735	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	49840	19.778	ug/l	98
67) Ethyl Benzene	11.51	91	293114	20.879	ug/l	99
68) m/p-Xylenes	11.62	106	199776	40.393	ug/l	97
69) o-Xylene	11.95	106	100573	20.983	ug/l	95
70) Styrene	11.96	104	153662	19.476	ug/l	98
71) Bromoform	12.12	173	26707	18.705	ug/l #	100
73) Isopropylbenzene	12.25	105	268670	22.414	ug/l	98
74) N-amyl acetate	12.07	43	120243	21.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	77117	21.828	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	73325m	23.479	ug/l	
77) Bromobenzene	12.53	156	56896	22.301	ug/l	98
78) n-propylbenzene	12.59	91	290556	21.778	ug/l	99
79) 2-Chlorotoluene	12.67	91	183558	22.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	220429	22.353	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16933	18.586	ug/l	96
82) 4-Chlorotoluene	12.77	91	173927	21.121	ug/l	99
83) tert-Butylbenzene	12.99	119	189559	22.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	204758	21.462	ug/l	100
85) sec-Butylbenzene	13.17	105	236509	21.014	ug/l	99
86) p-Isopropyltoluene	13.29	119	199449	21.428	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84733	20.386	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	82332	20.507	ug/l	96
89) n-Butylbenzene	13.62	91	180095	20.647	ug/l	100
90) Hexachloroethane	13.88	117	30016	18.575	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	81625	20.580	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	10629	19.539	ug/l	96

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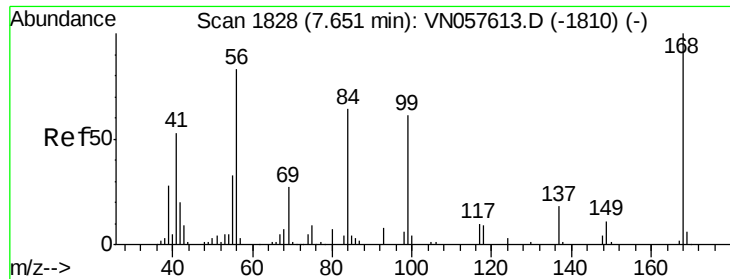
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	24911	20.366	ug/l	97
94) Hexachlorobutadiene	15.01	225	26132	19.200	ug/l	97
95) Naphthalene	15.13	128	77677	20.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	25182	20.115	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion:168 Resp: 188682

Ion Ratio Lower Upper

168 100

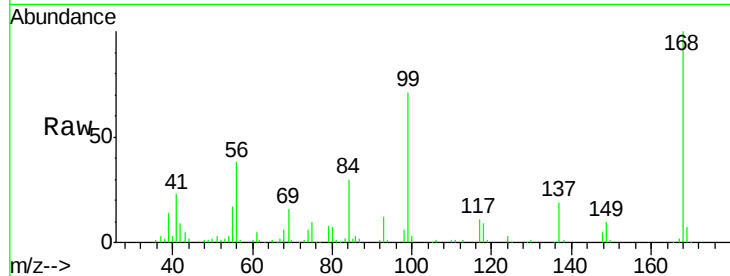
99 70.7 54.2 81.2

Manual Integrations

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9/3/2019 11:02:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

40000

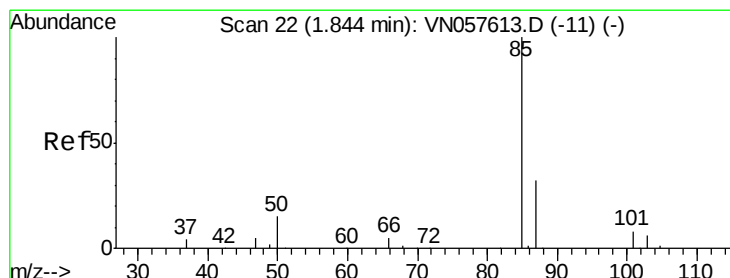
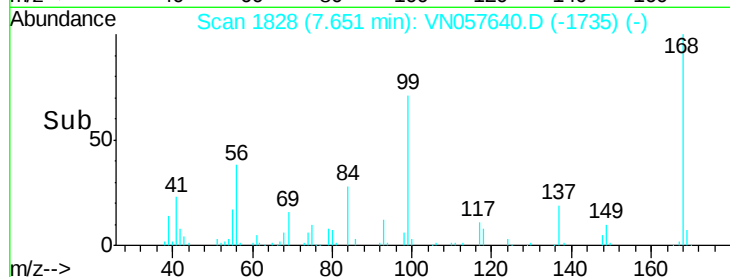
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.635 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN057640.D

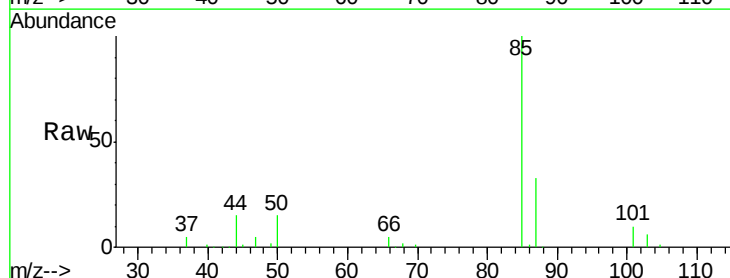
Acq: 1 Sep 2019 13:31

Tgt Ion: 85 Resp: 62260

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

50000

40000

30000

20000

10000

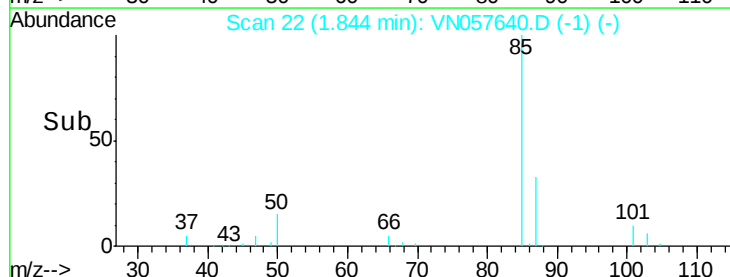
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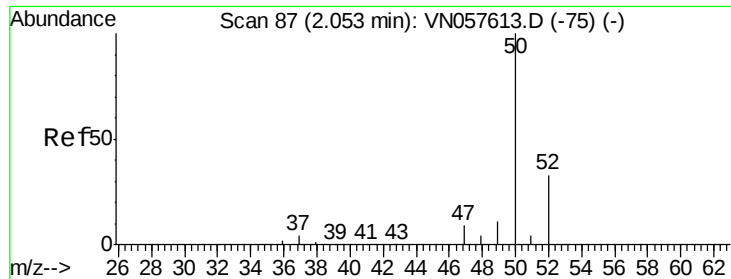
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.778 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

Tot Ion: 50 Resp: 72272

Ion Ratio Lower Upper

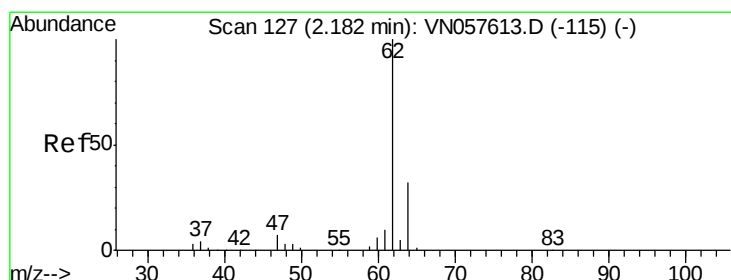
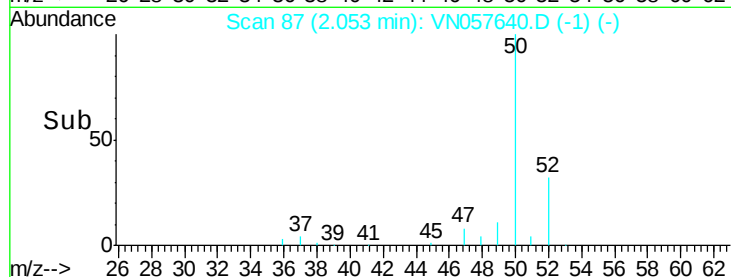
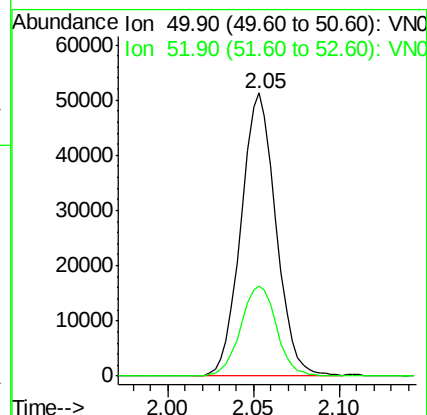
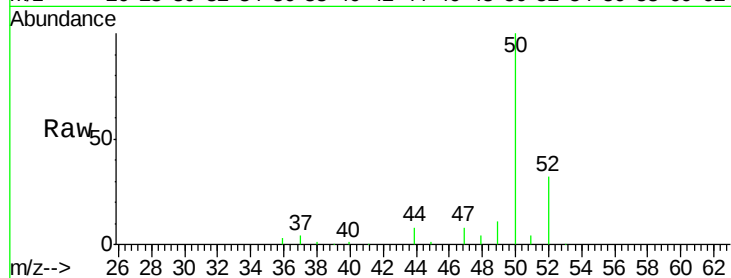
50 100

52 32.0 26.7 40.1

Manual Integrations
APPROVED

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9/3/2019 11:02:54 AM



#4

Vinyl Chloride

Concen: 21.287 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057640.D

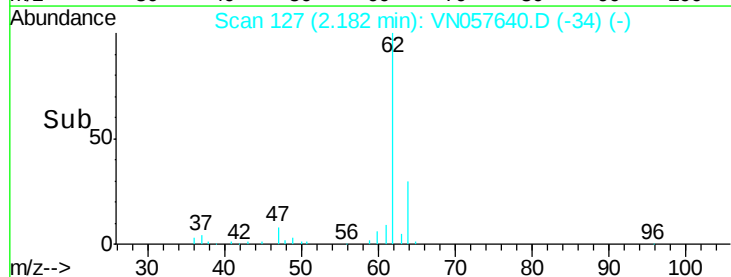
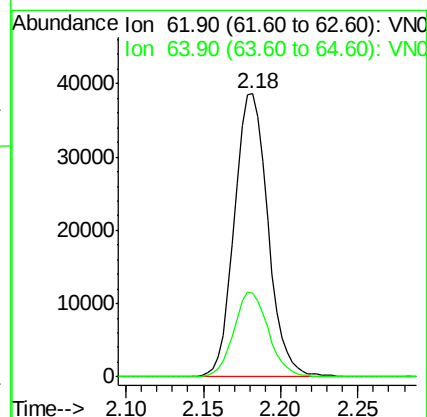
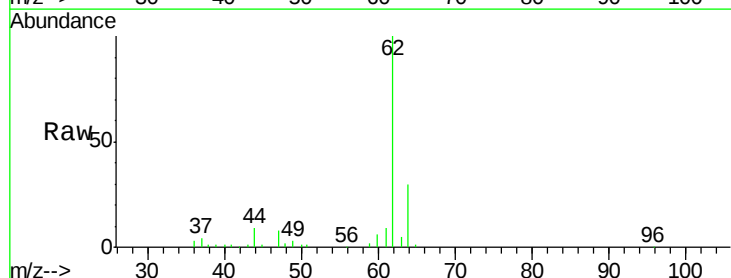
Acq: 1 Sep 2019 13:31

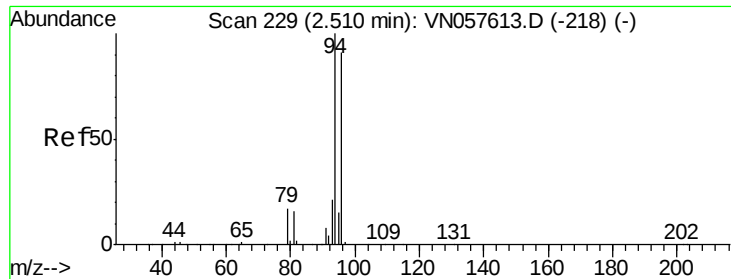
Tgt Ion: 62 Resp: 57996

Ion Ratio Lower Upper

62 100

64 29.8 25.2 37.8





#5

Bromomethane

Concen: 22.123 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

Tot Ion: 94 Resp: 38136

Ion Ratio Lower Upper

94 100

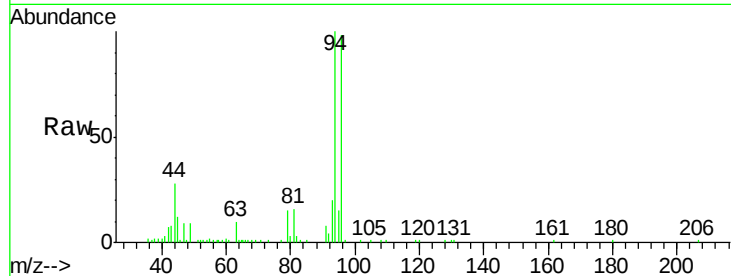
96 97.7 72.9 109.3

Manual Integrations

APPROVED

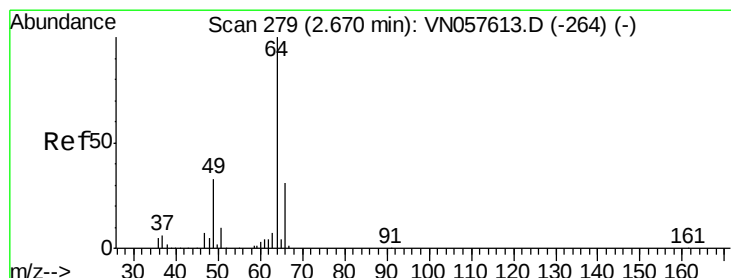
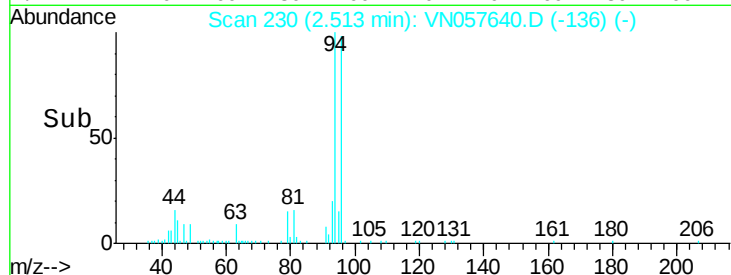
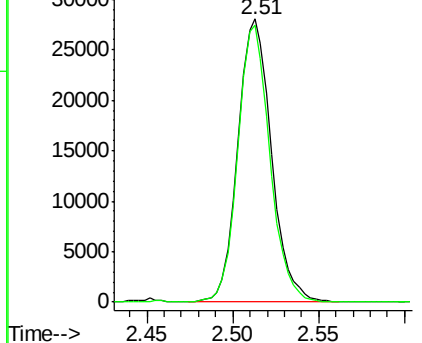
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9/3/2019 11:02:54 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.567 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN057640.D

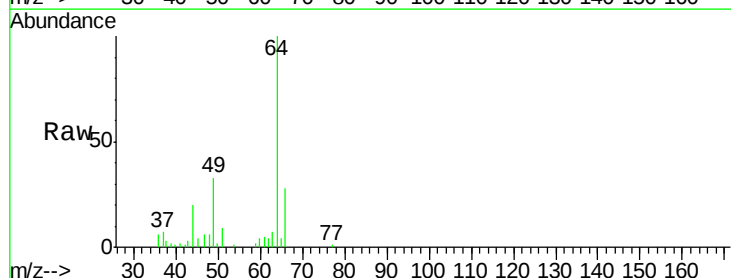
Acq: 1 Sep 2019 13:31

Tgt Ion: 64 Resp: 32820

Ion Ratio Lower Upper

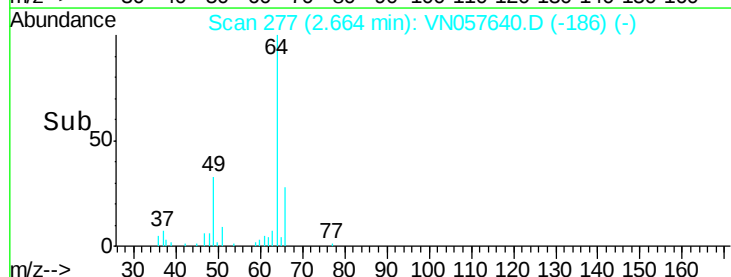
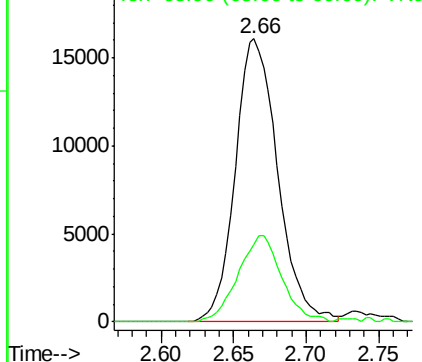
64 100

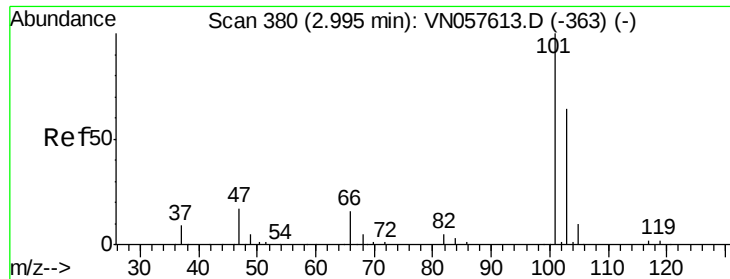
66 27.5 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

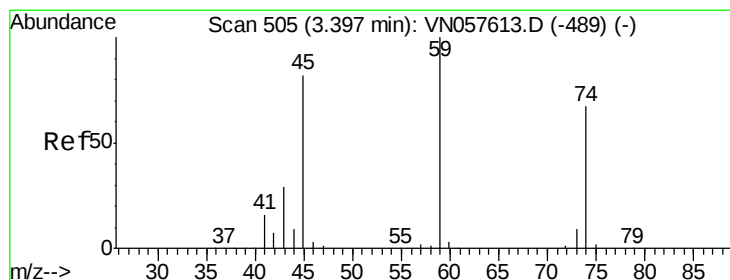
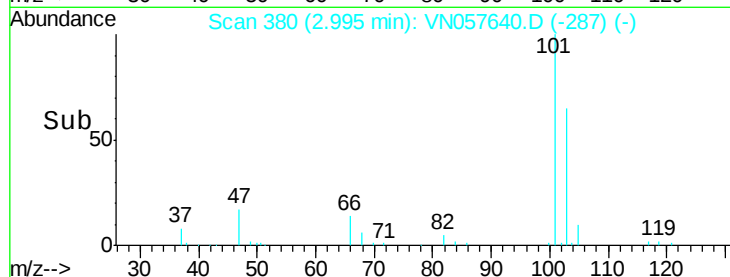
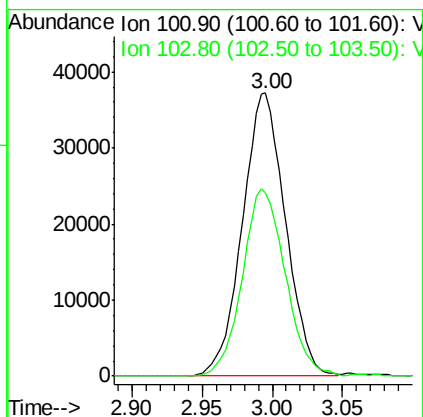
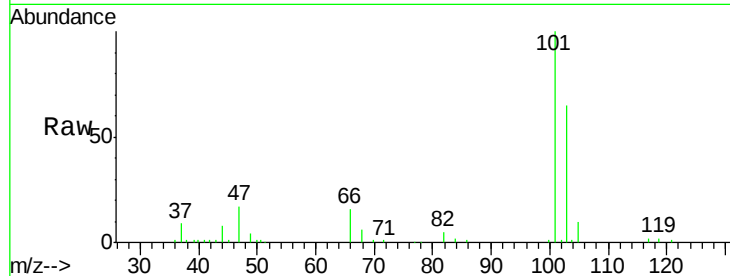
Trichlorofluoromethane
Concen: 20.828 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion:101 Resp: 79653
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9

Manual Integrations
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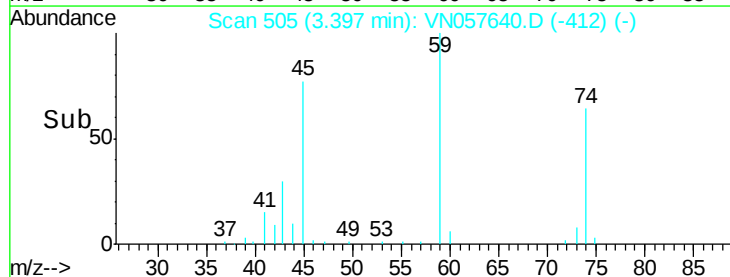
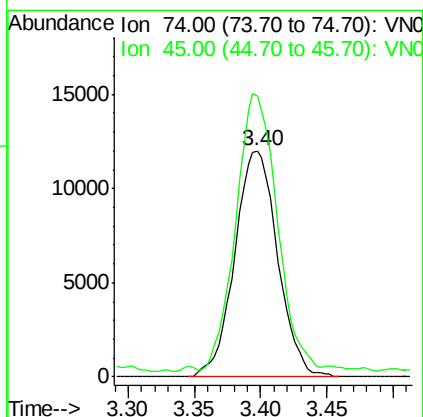
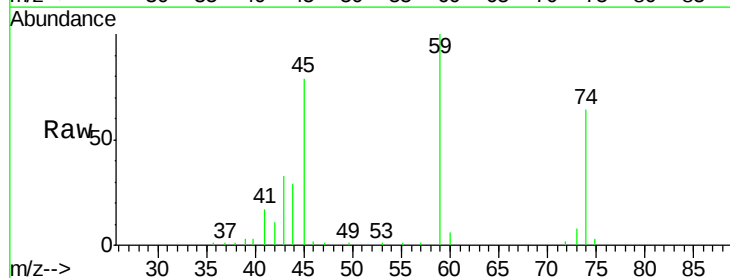
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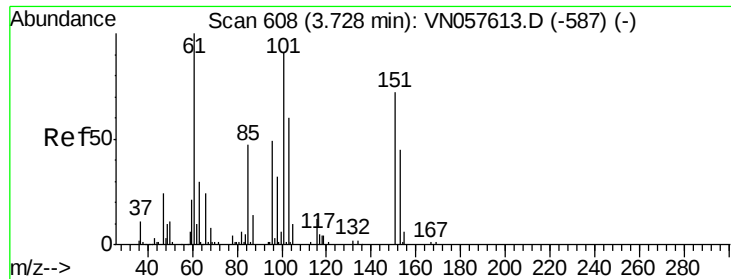


#8

Diethyl Ether
Concen: 21.332 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 74 Resp: 26995
Ion Ratio Lower Upper
74 100
45 116.8 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.324 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

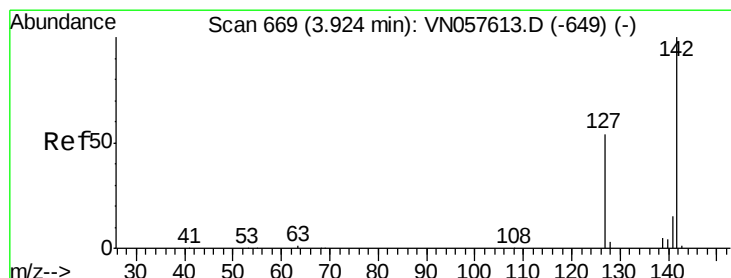
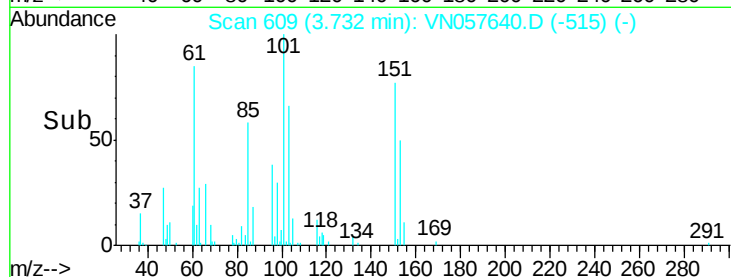
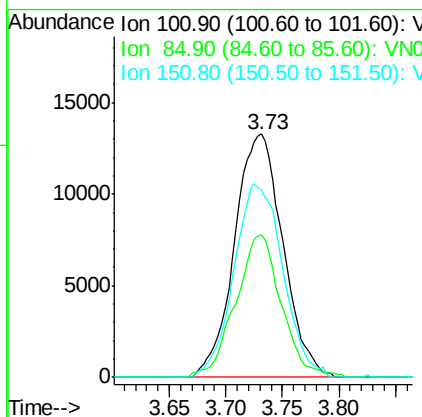
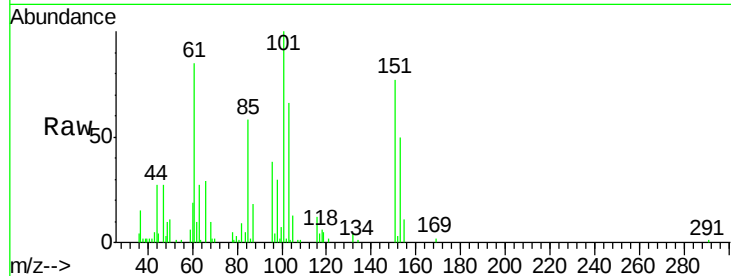
ClientSampled :

VN0902WBS01

Tot Ion:	101	Resp:	39404
Ion Ratio	Lower	Upper	
101	100		
85	55.4	42.1	63.1
151	80.7	60.2	90.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.307 ug/l

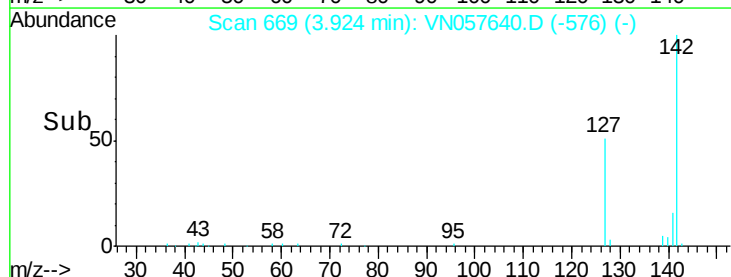
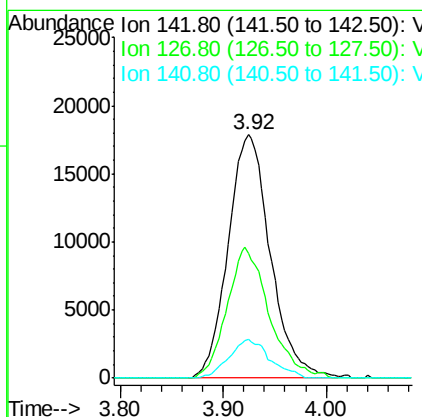
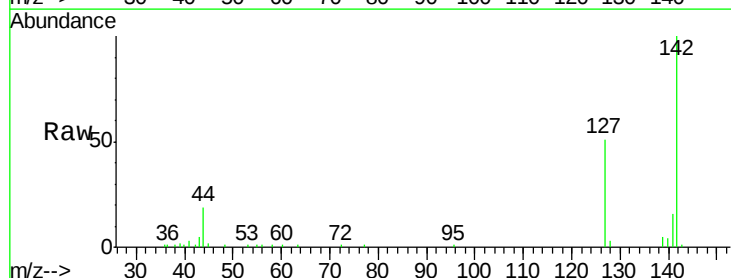
RT: 3.92 min Scan# 669

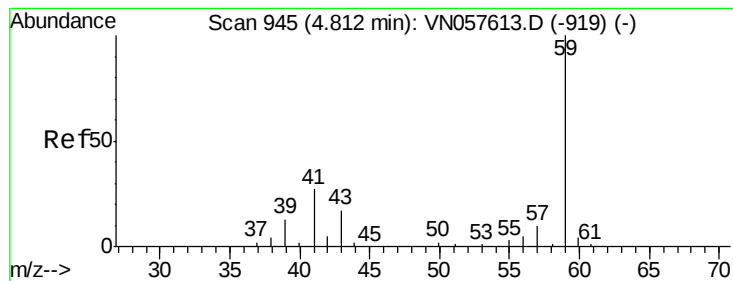
Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion:	142	Resp:	50833
Ion Ratio	Lower	Upper	
142	100		
127	53.0	43.0	64.6
141	15.4	11.4	17.2





#11

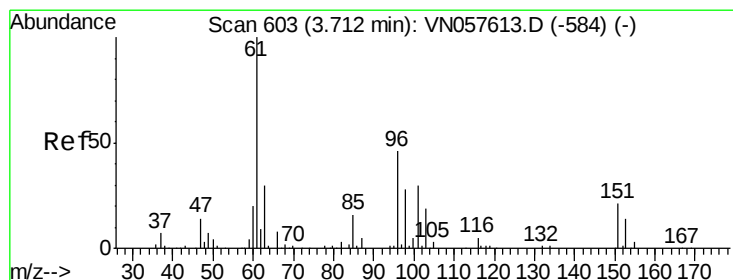
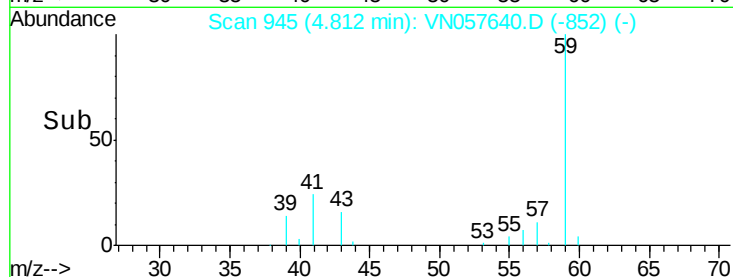
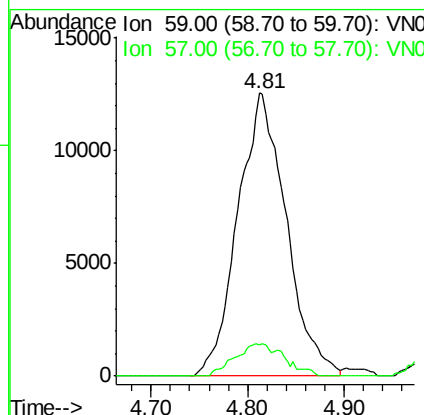
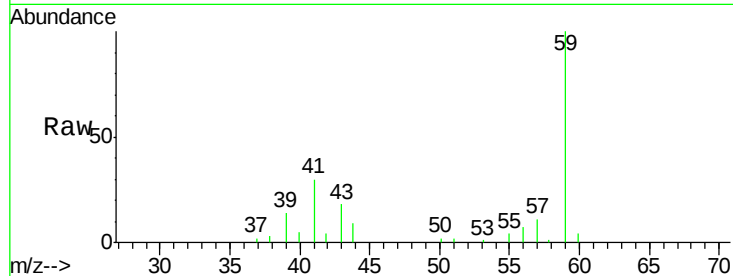
Tert butyl alcohol
 Concen: 97.654 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBS01

Tot Ion	59	57	Ratio	100	11.6	Resp:	43656	Lower	5.0	Upper	7.6#
Ion	59	57	Ratio	100	11.6	Resp:	43656	Lower	5.0	Upper	7.6#

Manual Integrations
 APPROVED

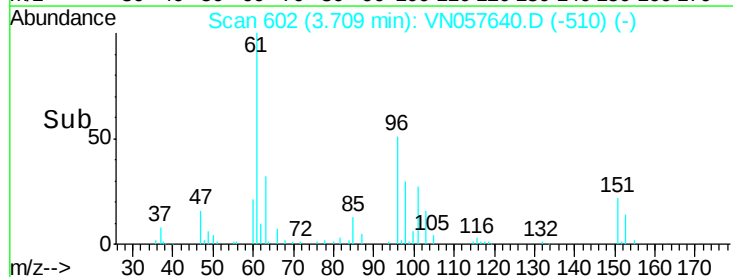
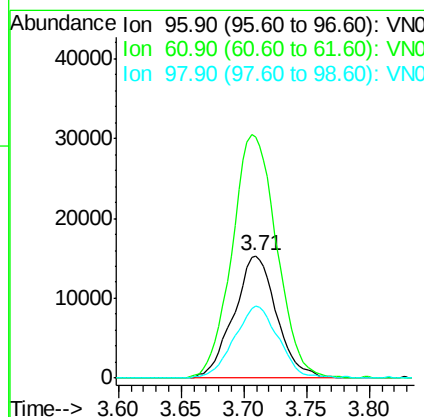
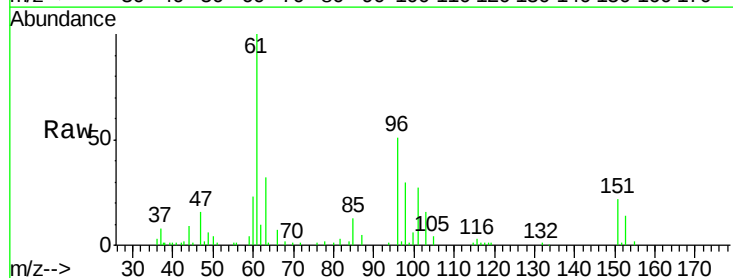
MMDadoda
 9/3/2019 11:02:54 AM

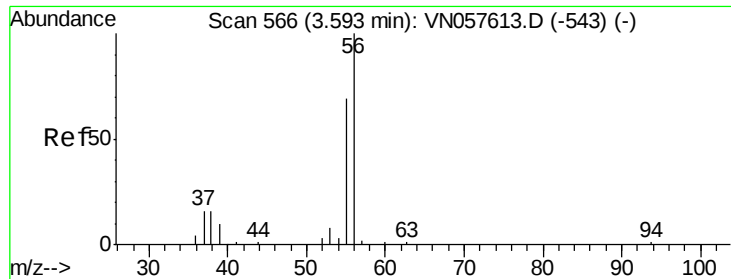


#12

1,1-Dichloroethene
 Concen: 20.618 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	96	61	98	Ratio	100	195.7	58.8	Resp:	36236	Lower	172.1	48.3	Upper	258.1	72.5
Ion	96	61	98	Ratio	100	195.7	58.8	Resp:	36236	Lower	172.1	48.3	Upper	258.1	72.5





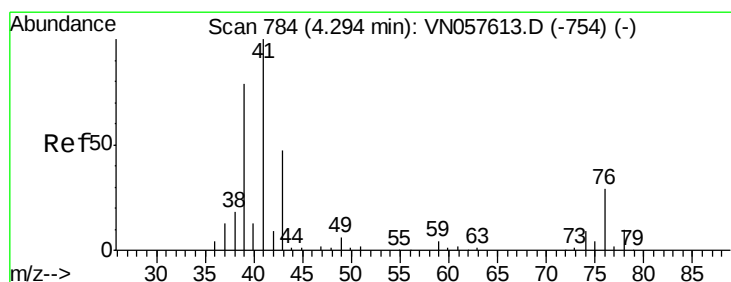
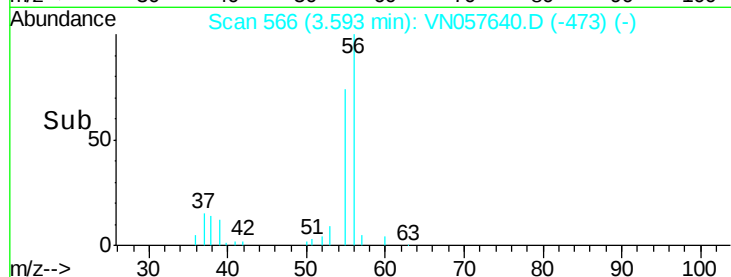
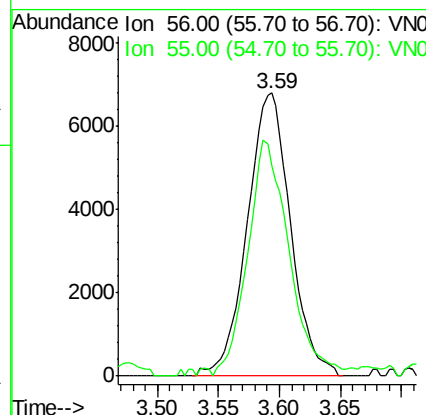
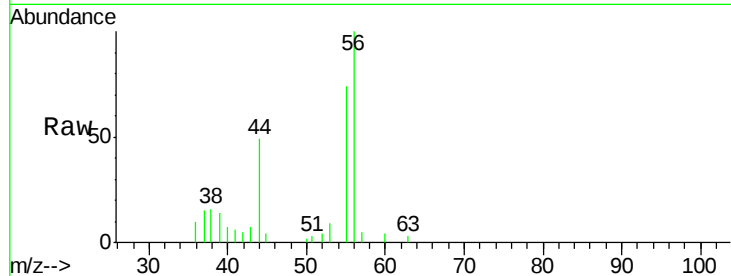
#13
Acrolein
Concen: 94.054 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		16718		
55	79.4		56.5	84.7	

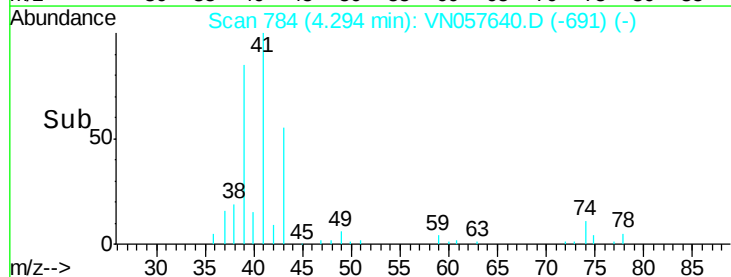
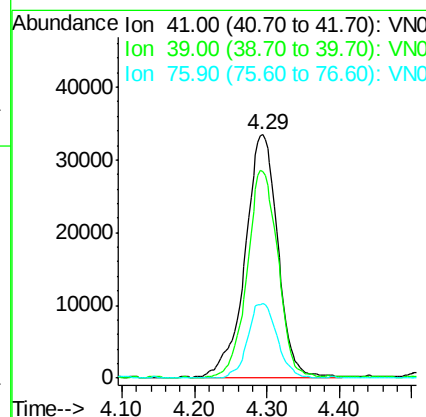
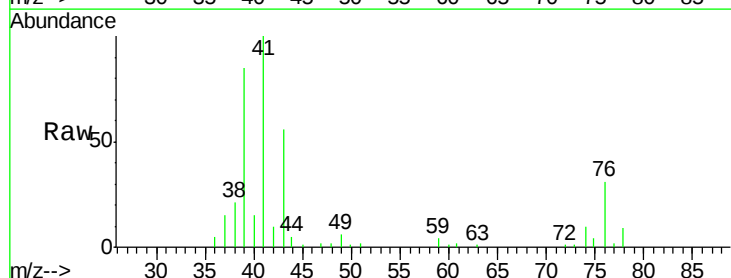
Manual Integrations
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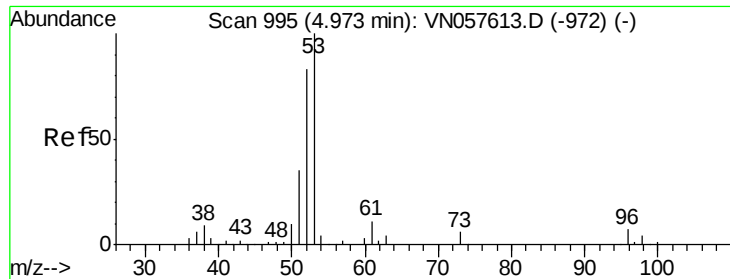
MMDadoda
9/3/2019 11:02:54 AM



#14
Allyl chloride
Concen: 19.254 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		105567		
39	80.1		60.9	91.3	
76	27.5		21.1	31.7	





#15

Acrylonitrile

Concen: 106.239 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

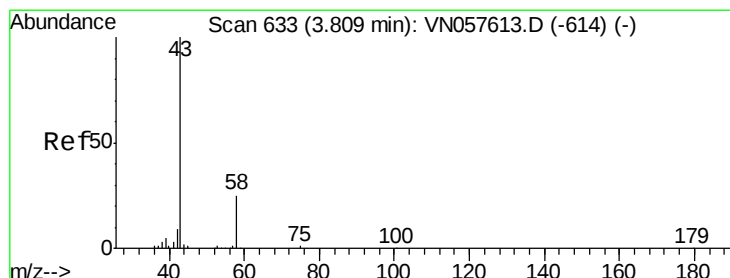
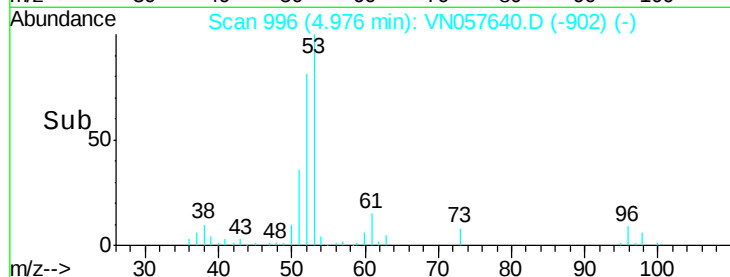
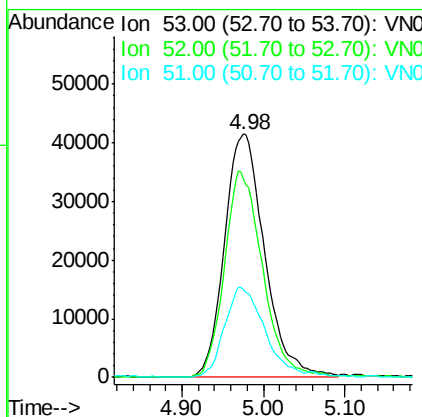
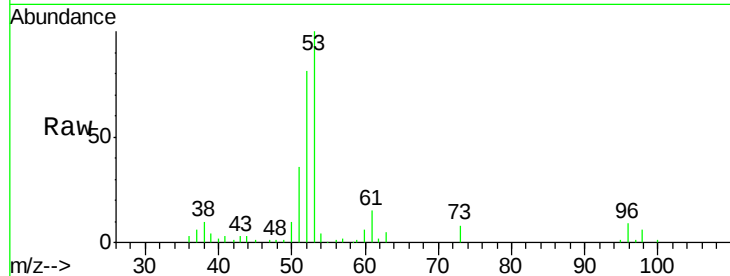
ClientSampled :

VN0902WBS01

Tot Ion:	53	Resp:	142514
Ion	Ratio	Lower	Upper
53	100		
52	80.0	67.1	100.7
51	36.7	30.2	45.4

Manual Integrations
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MMDadoda
9/3/2019 11:02:54 AM



#16

Acetone

Concen: 93.328 ug/l

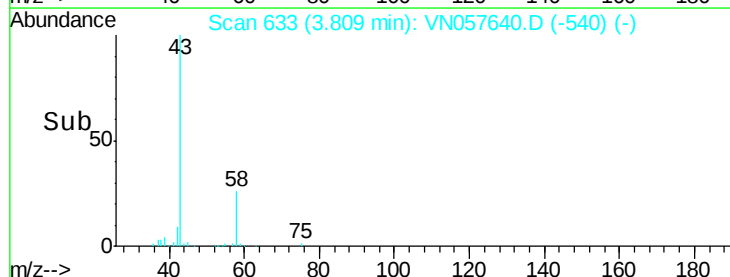
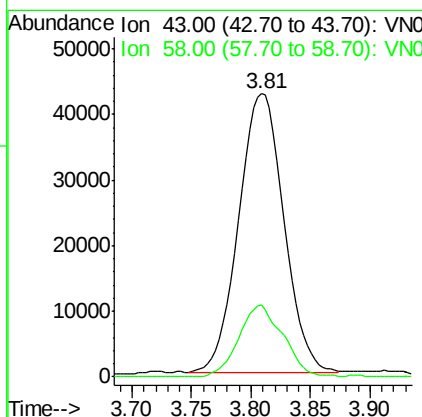
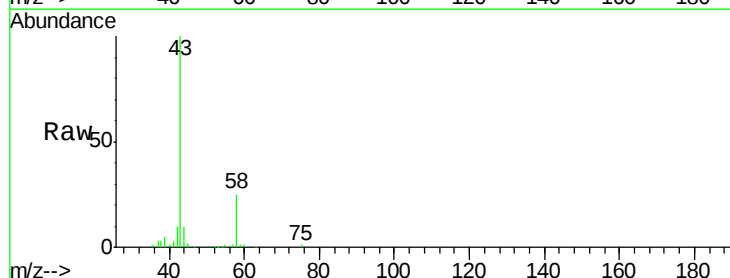
RT: 3.81 min Scan# 633

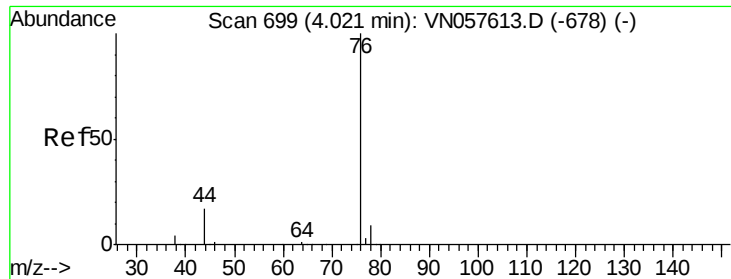
Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion:	43	Resp:	111483
Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.0	30.0





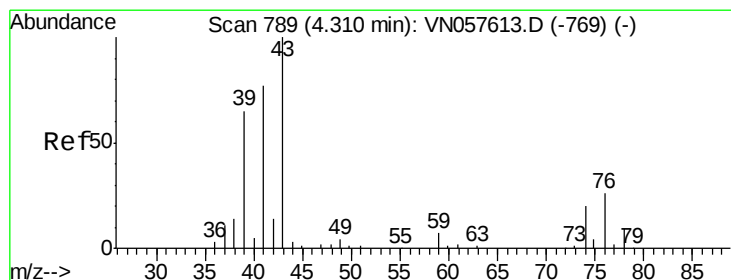
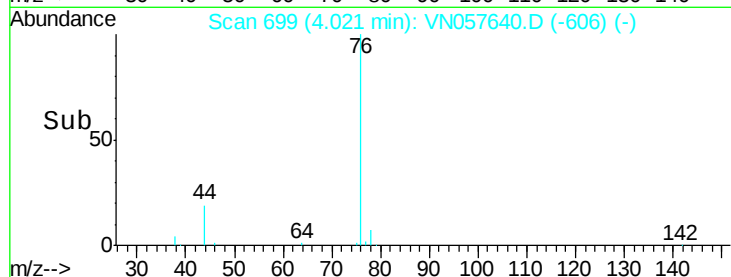
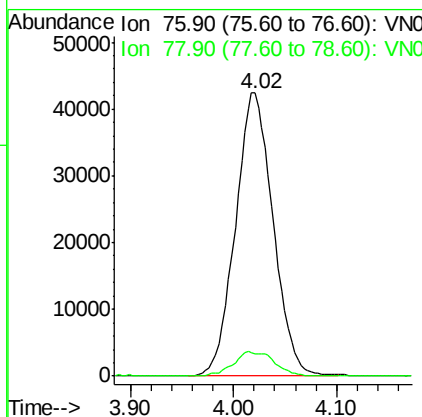
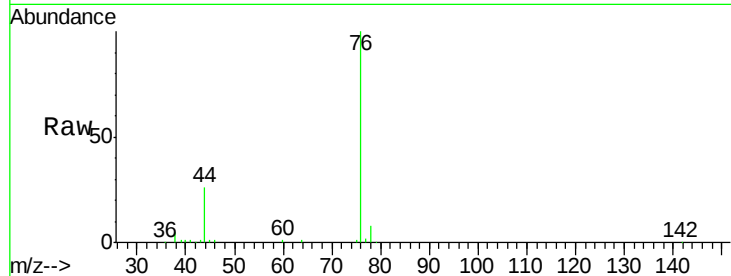
#17
Carbon Disulfide
Concen: 18.956 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	6.9	10.3

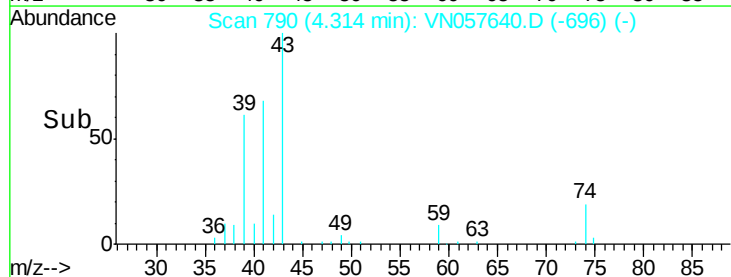
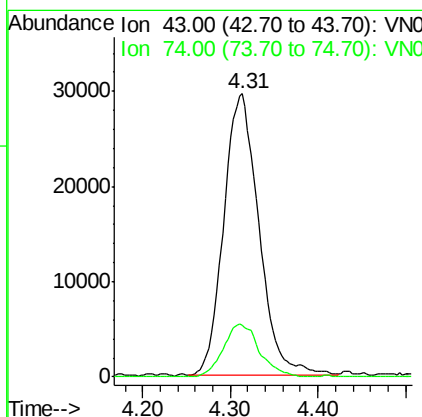
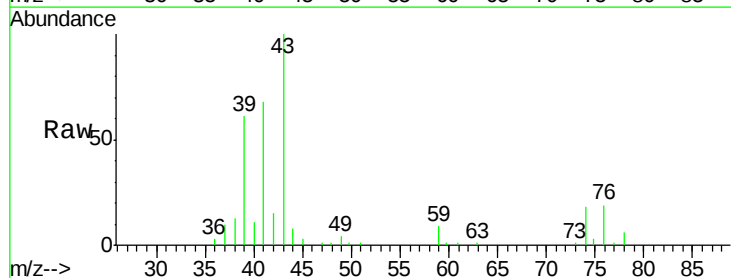
Manual Integrations
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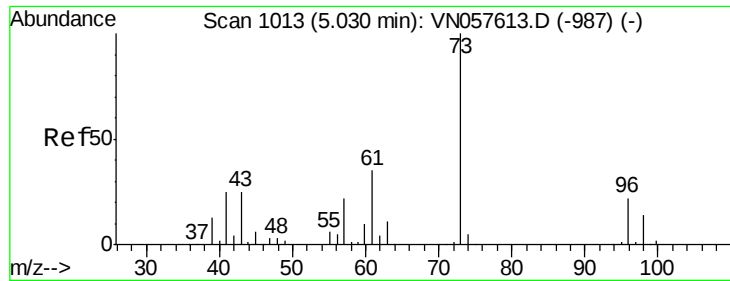
MMDadoda
9/3/2019 11:02:54 AM



#18
Methyl Acetate
Concen: 20.074 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.7	23.5





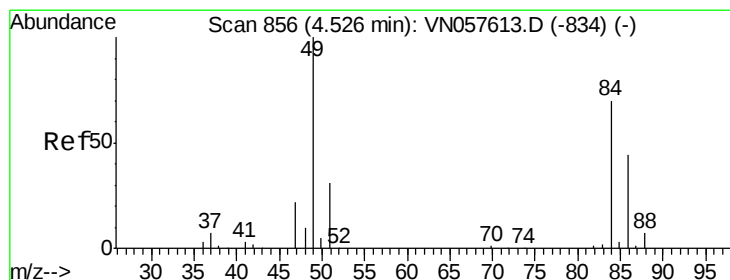
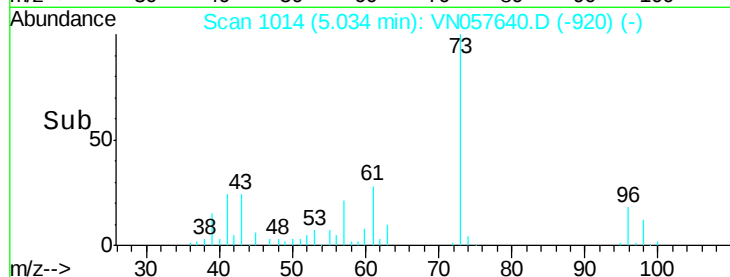
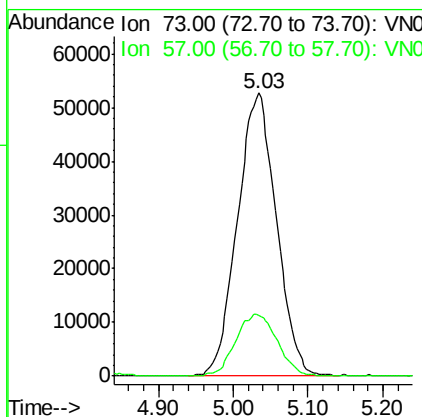
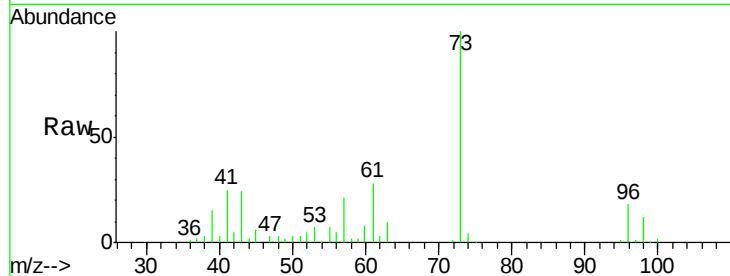
#19
Methvl tert-butvl Ether
Concen: 21.007 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion: 73 Resp: 191009
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

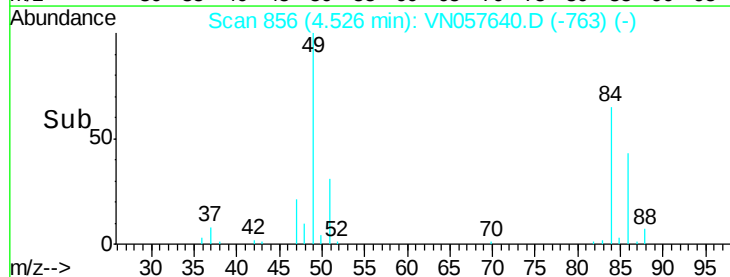
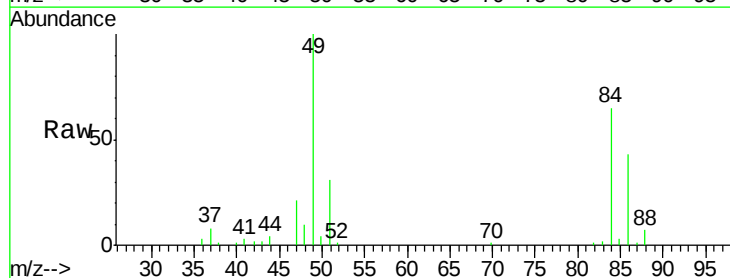
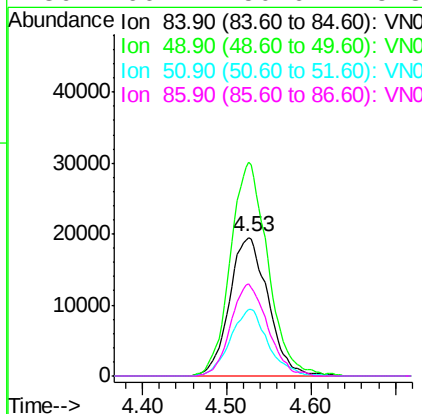
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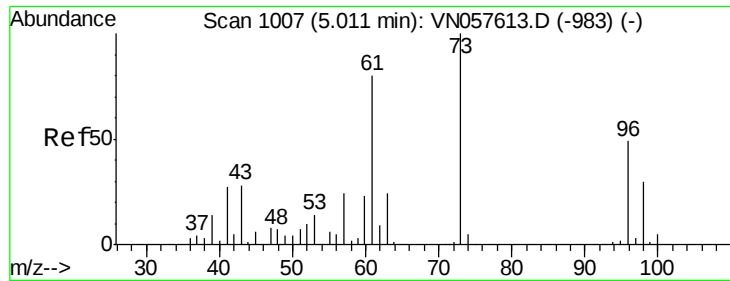
MMDadoda
9/3/2019 11:02:54 AM



#20
Methylene Chloride
Concen: 21.068 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 84 Resp: 62302
Ion Ratio Lower Upper
84 100
49 154.4 113.8 170.6
51 47.9 35.0 52.6
86 66.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.565 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 96 Resp: 53734

Ion Ratio Lower Upper

96 100

61 160.2 131.6 197.4

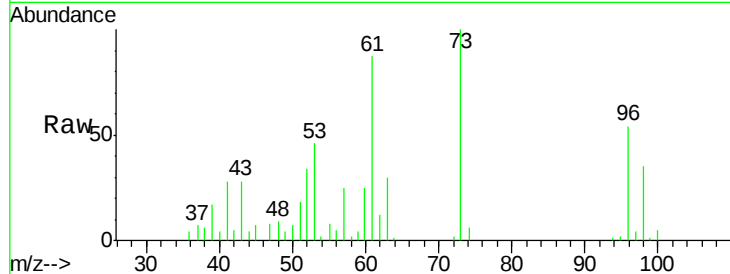
98 64.7 49.9 74.9

Manual Integrations

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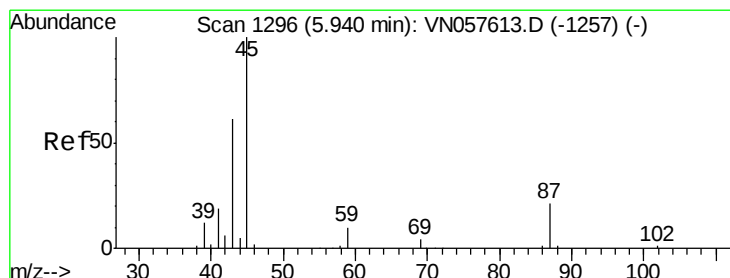
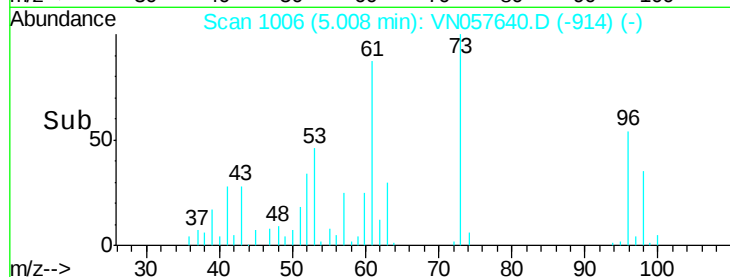
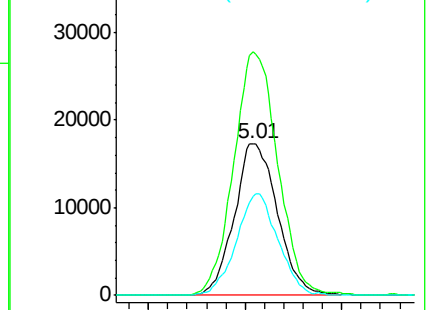
9/3/2019 11:02:54 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.737 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion: 45 Resp: 233726

Ion Ratio Lower Upper

45 100

43 62.6 49.1 73.7

87 22.2 17.0 25.6

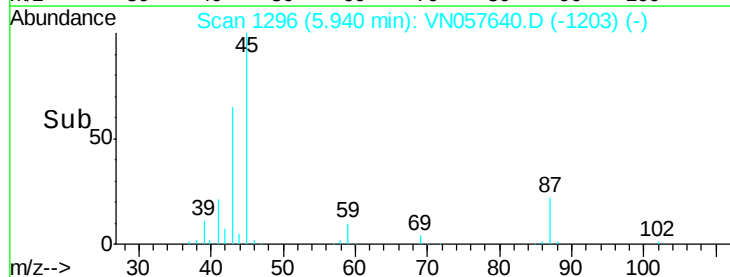
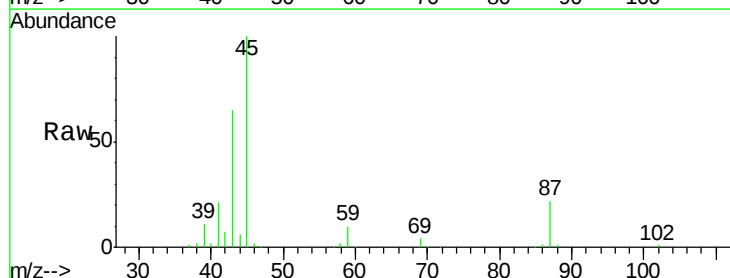
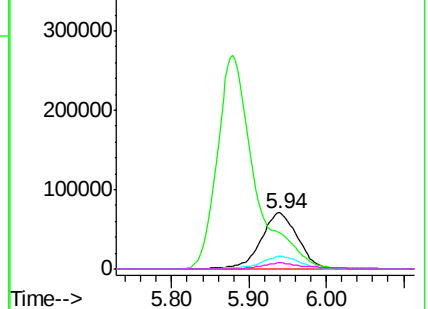
59 10.1 8.2 12.2

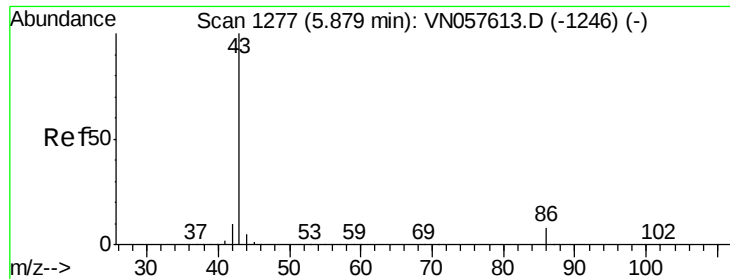
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





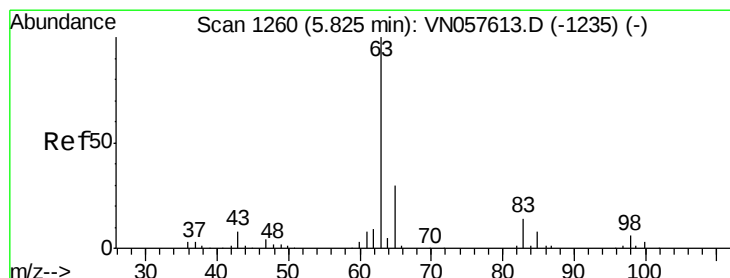
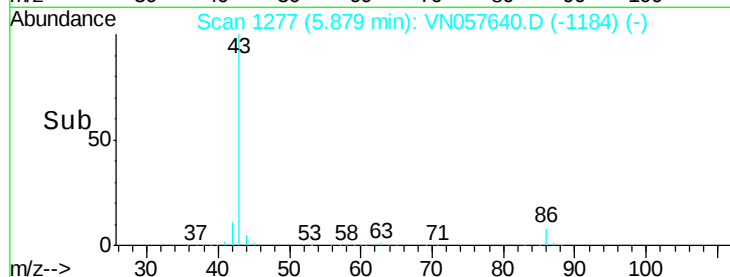
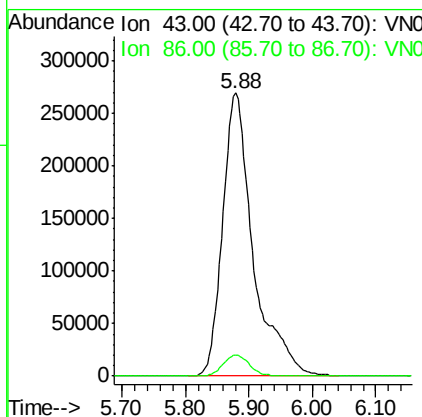
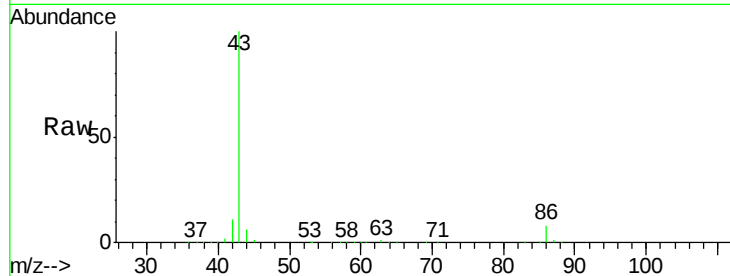
#23
 Vinyl Acetate
 Concen: 104.152 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Tot Ion	43	Resp	902186
Ion Ratio	Lower	Upper	
43	100		
86	7.5	6.1	9.1

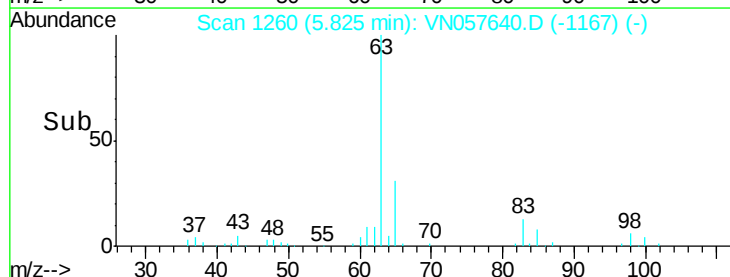
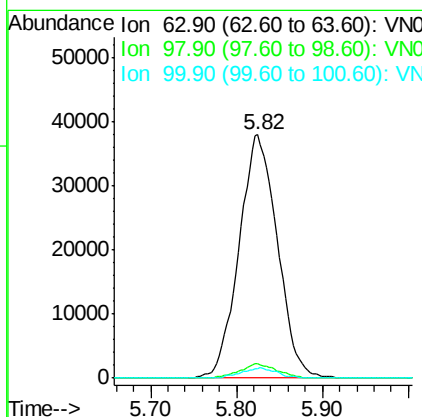
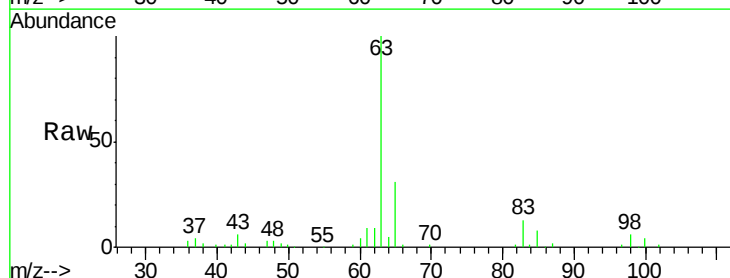
Manual Integrations
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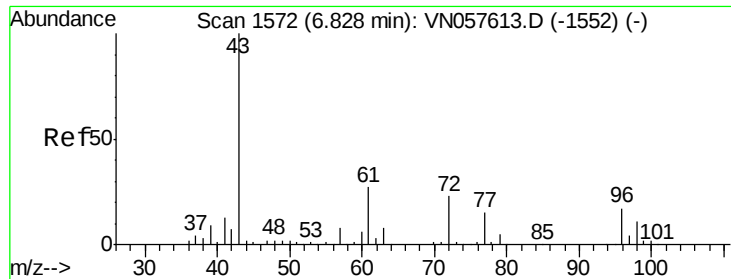
MMDadoda
 9/3/2019 11:02:54 AM



#24
 1,1-Dichloroethane
 Concen: 20.761 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	63	Resp	117463
Ion Ratio	Lower	Upper	
63	100		
98	5.9	2.8	8.4
100	4.1	1.5	4.5





#25

2-Butanone

Concen: 99.975 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 43 Resp: 198994

Ion Ratio Lower Upper

43 100

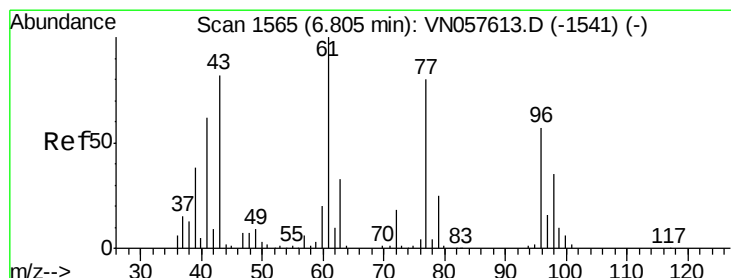
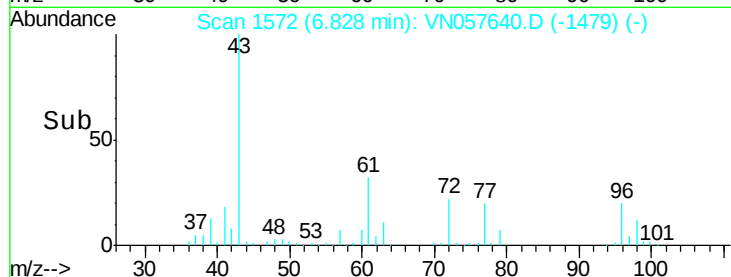
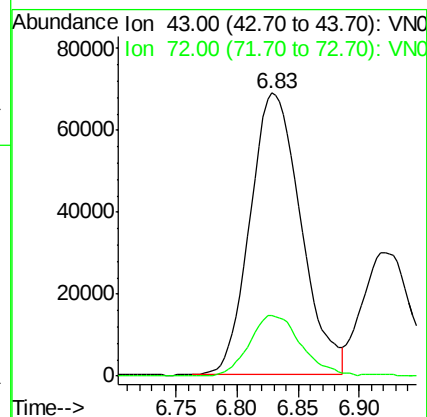
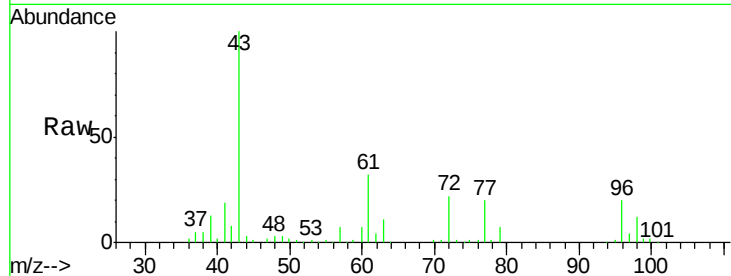
72 21.8 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 19.385 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057640.D

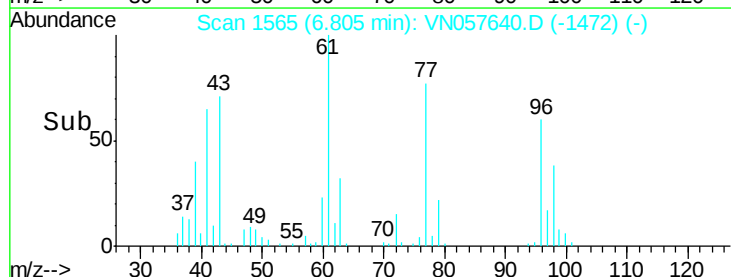
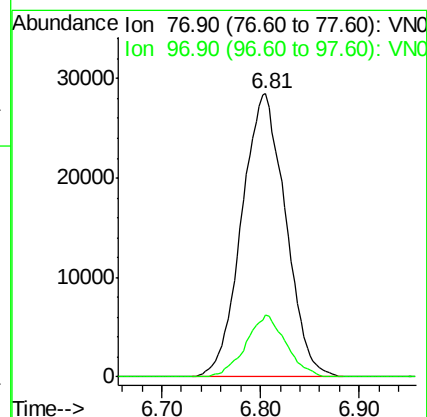
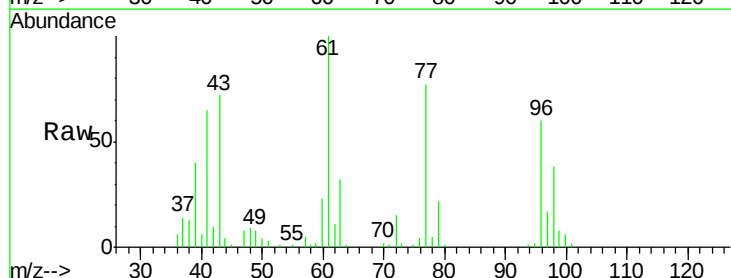
Acq: 1 Sep 2019 13:31

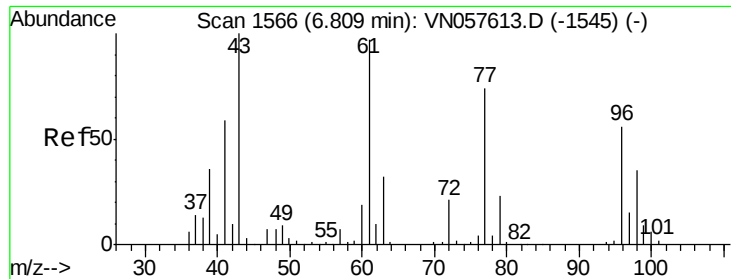
Tgt Ion: 77 Resp: 87666

Ion Ratio Lower Upper

77 100

97 20.0 10.6 31.8





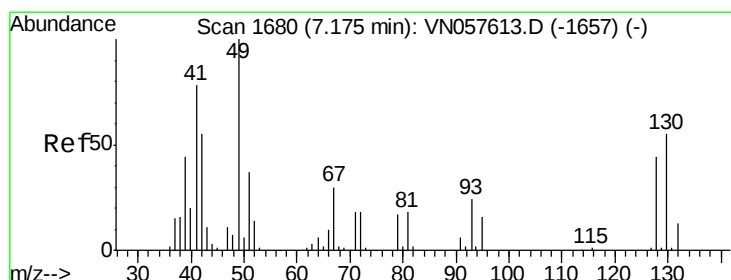
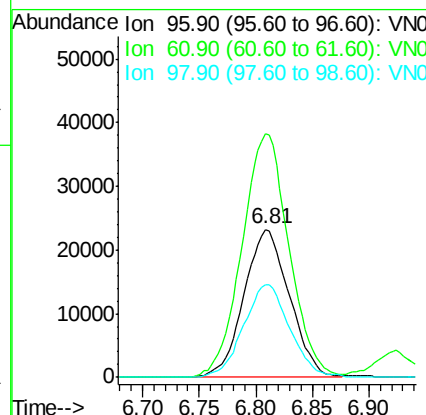
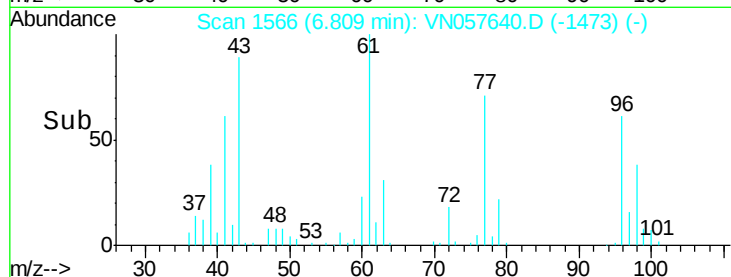
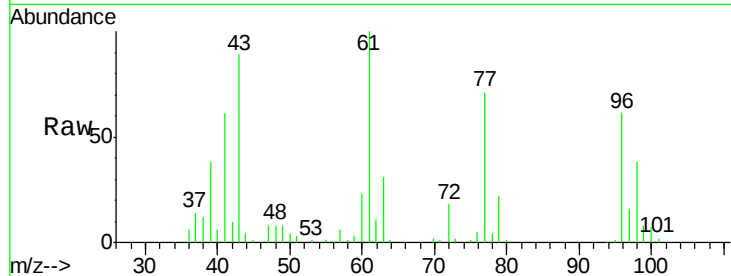
#27
 cis-1,2-Dichloroethene
 Concen: 20.743 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.4	0.0	344.6
98	63.8	0.0	124.8

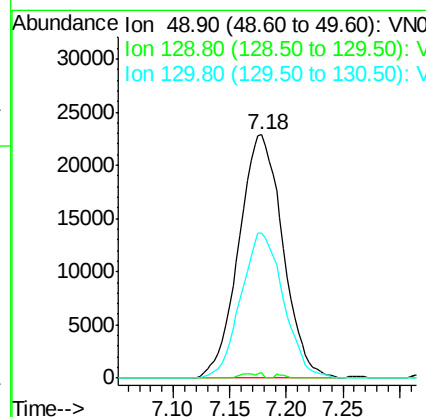
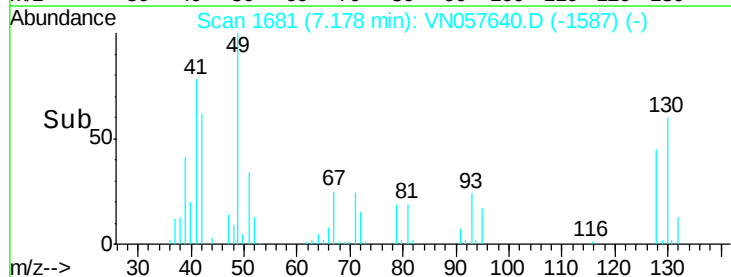
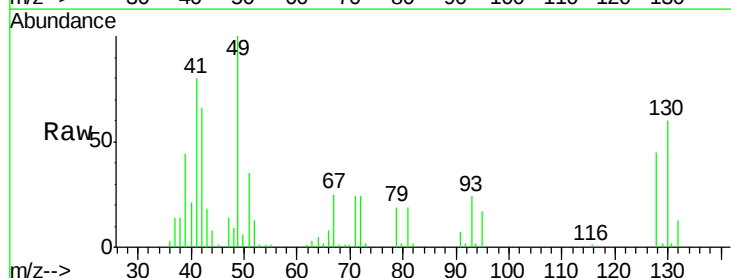
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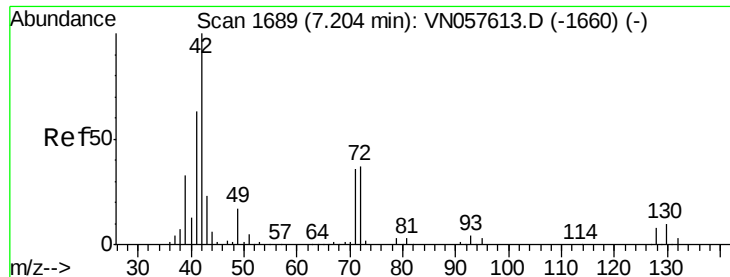
MMDadoda
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#28
 Bromochloromethane
 Concen: 20.560 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.8
130	57.9	45.8	68.8





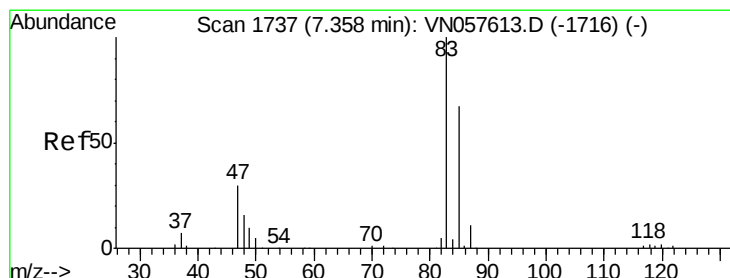
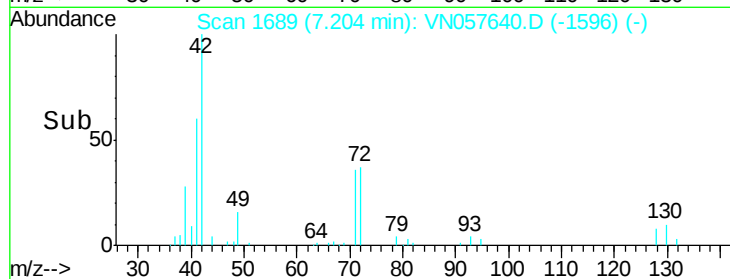
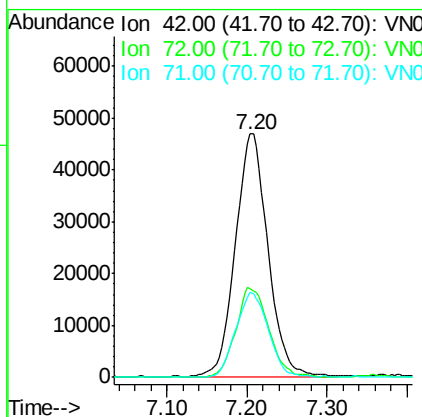
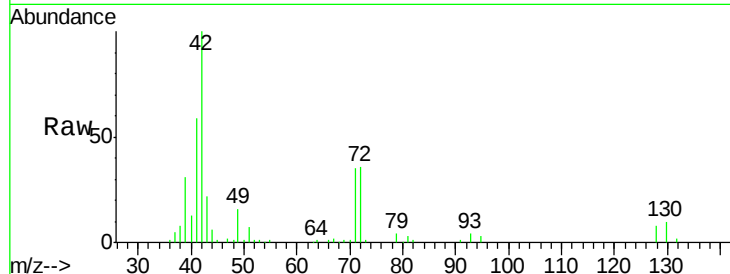
#29
Tetrahydrofuran
Concen: 104.073 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	29.6	44.4
71	34.7	27.9	41.9

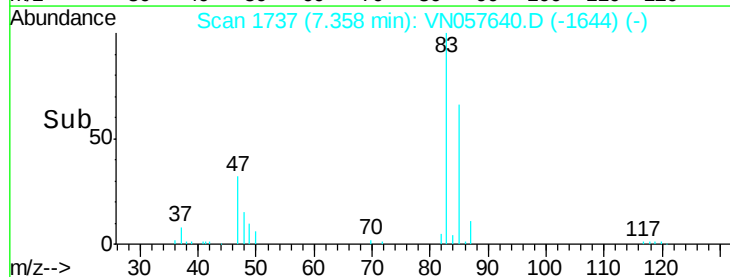
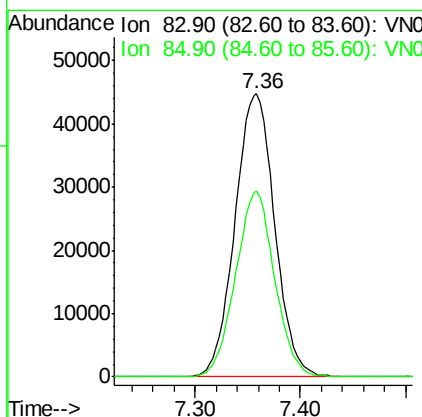
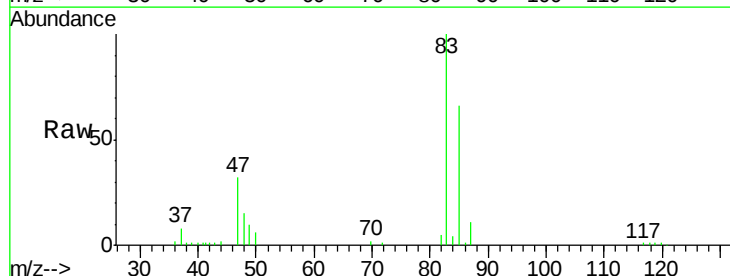
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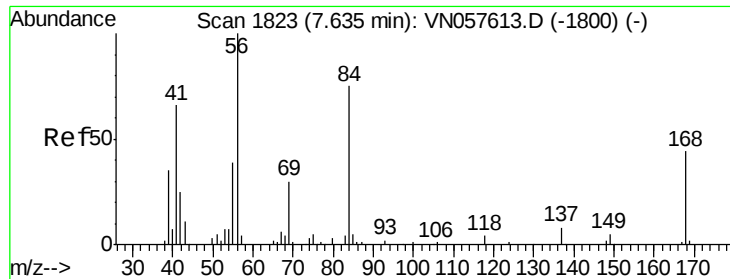
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#30
Chloroform
Concen: 20.392 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.2	79.8





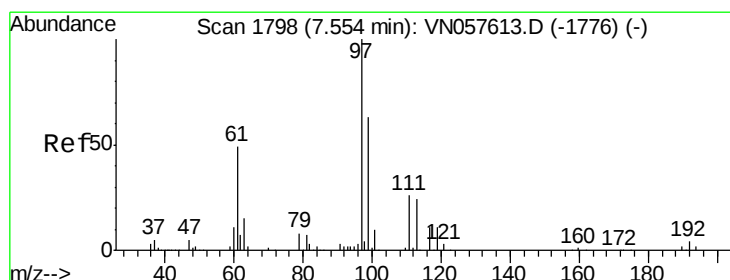
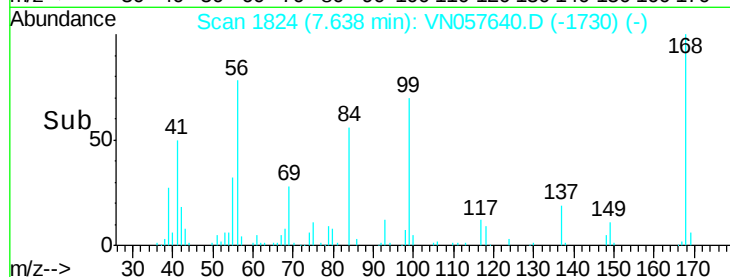
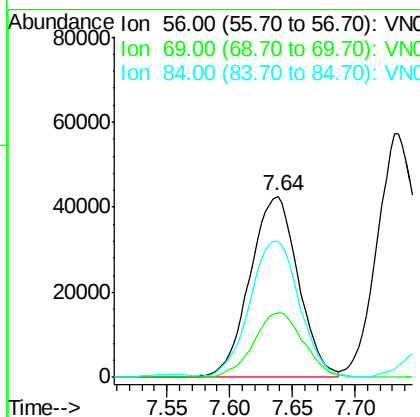
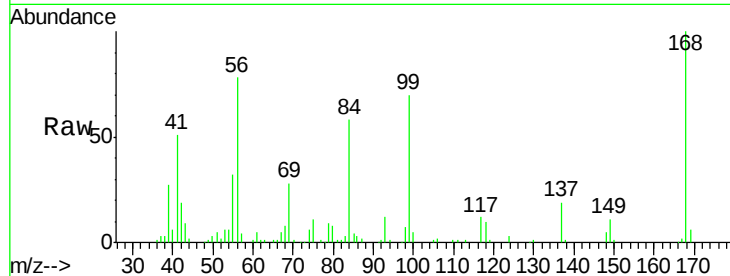
#31
Cyclohexane
Concen: 20.171 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	113903		
69	35.7		24.4	36.6
84	73.6		59.9	89.9

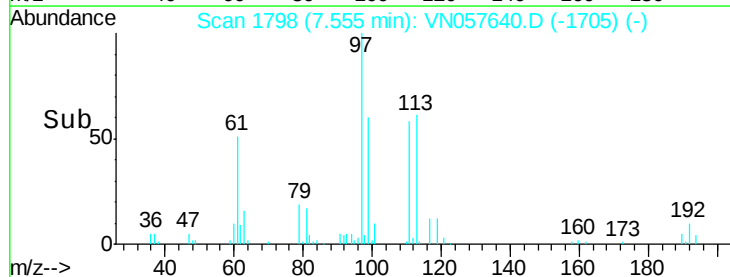
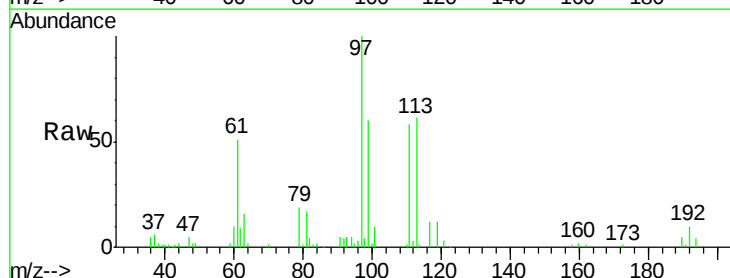
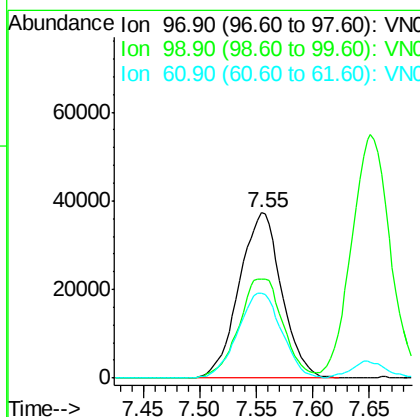
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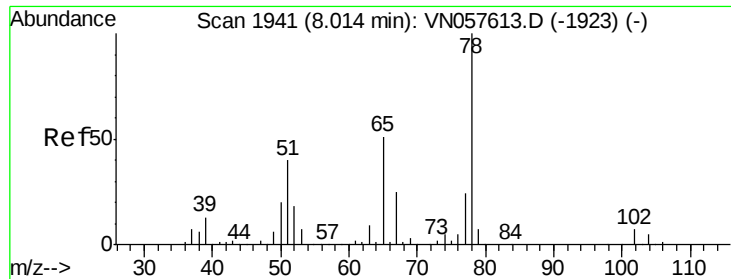
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#32
1,1,1-Trichloroethane
Concen: 20.685 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	97390		
99	62.5		50.6	75.8
61	53.0		41.1	61.7





#33

1,2-Dichloroethane-d4

Concen: 52.079 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 65 Resp: 221975

Ion Ratio Lower Upper

65 100

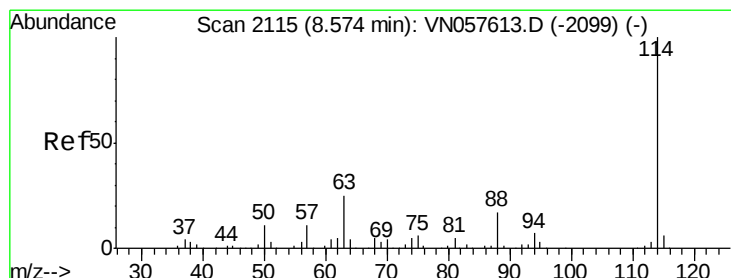
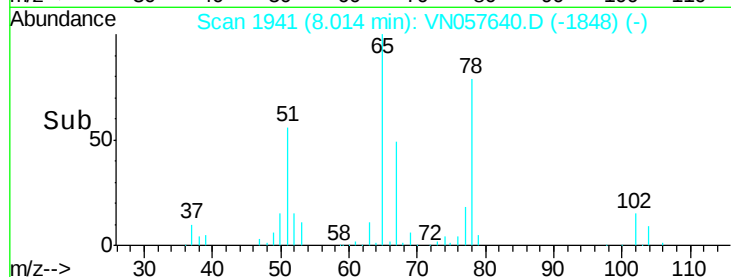
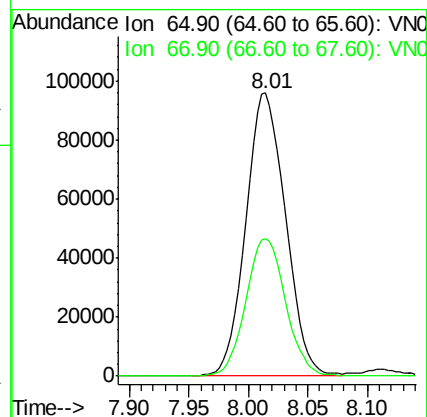
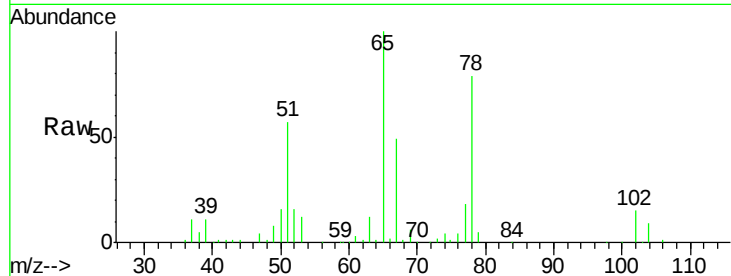
67 48.7 0.0 102.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

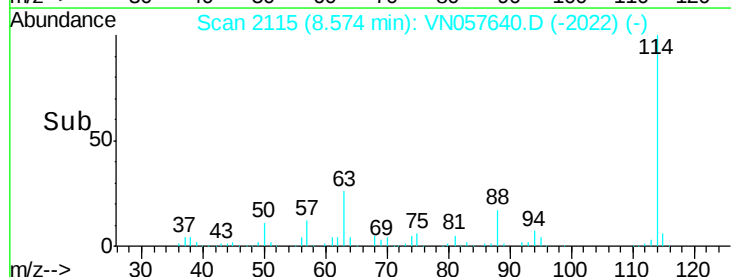
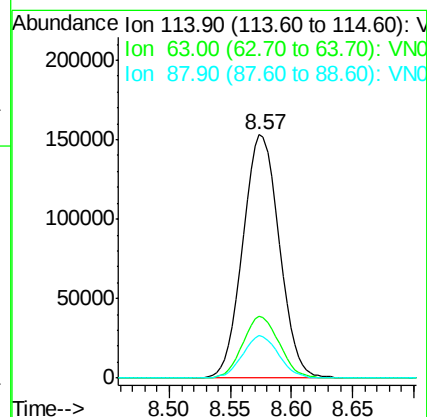
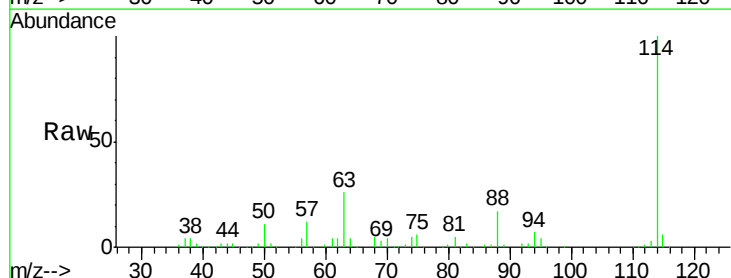
Tgt Ion: 114 Resp: 316629

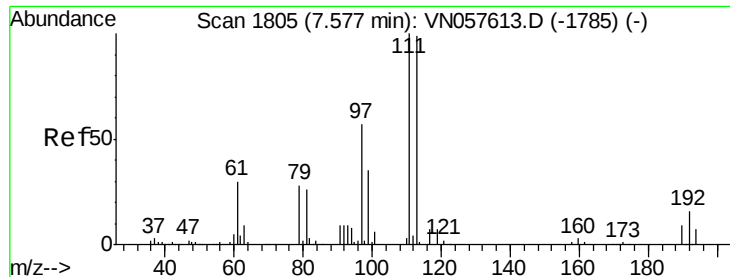
Ion Ratio Lower Upper

114 100

63 25.6 0.0 49.0

88 17.3 0.0 33.0





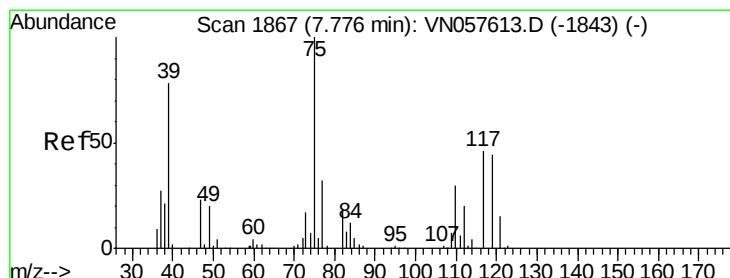
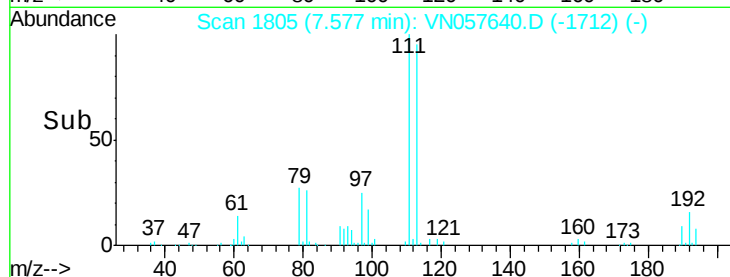
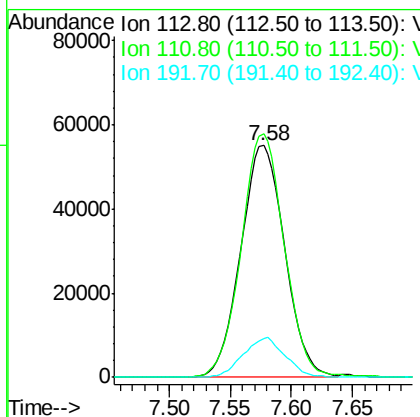
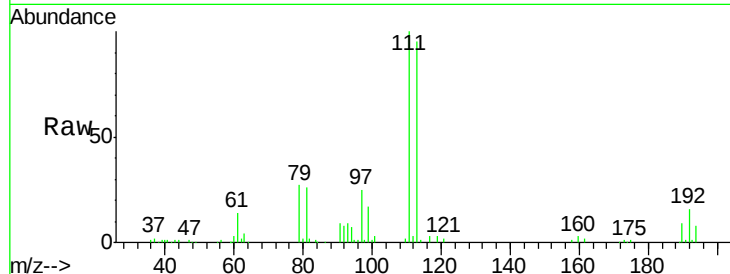
#35
 Dibromofluoromethane
 Concen: 49.689 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.3	121.9	
192	16.4	13.5	20.3	

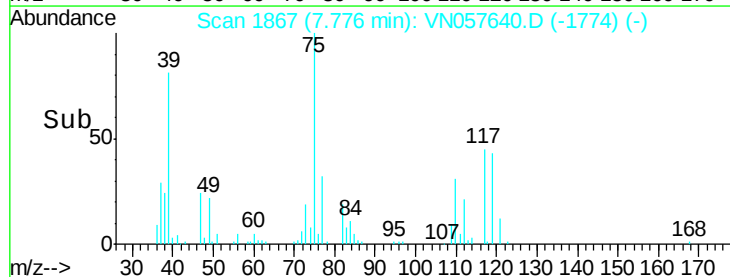
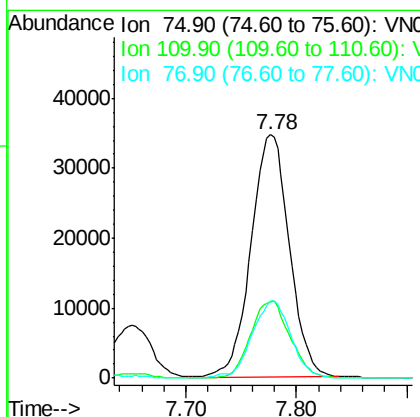
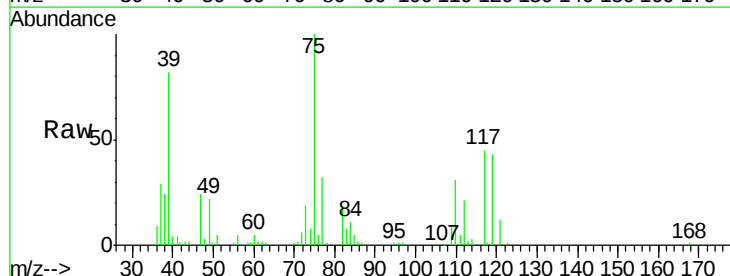
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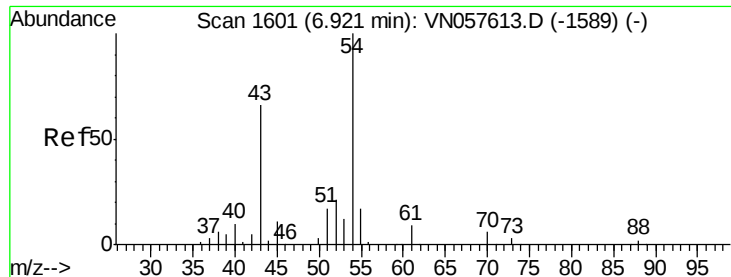
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#36
 1,1-Dichloropropene
 Concen: 19.927 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.3	15.6	46.8	
77	32.1	24.9	37.3	





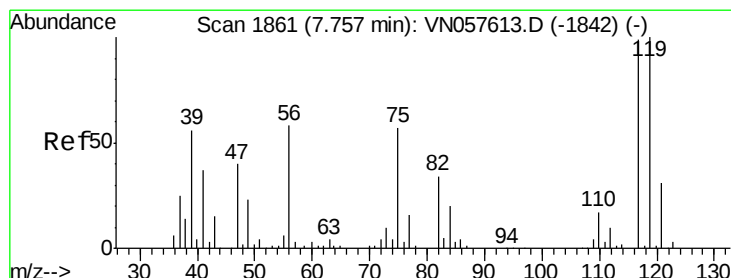
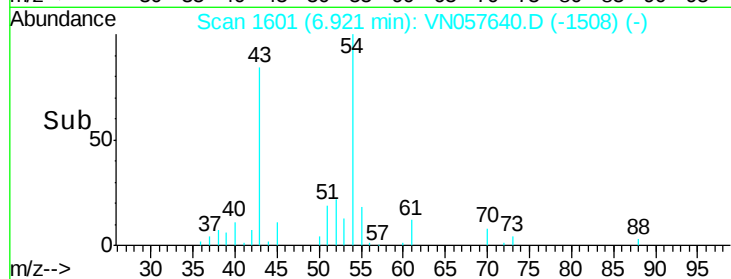
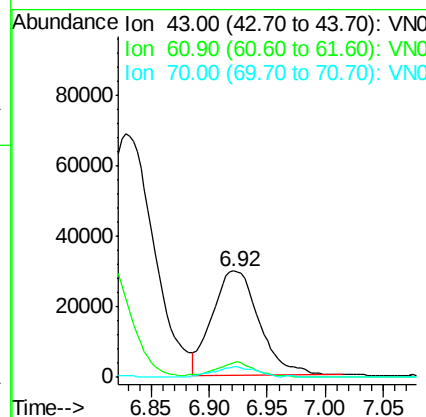
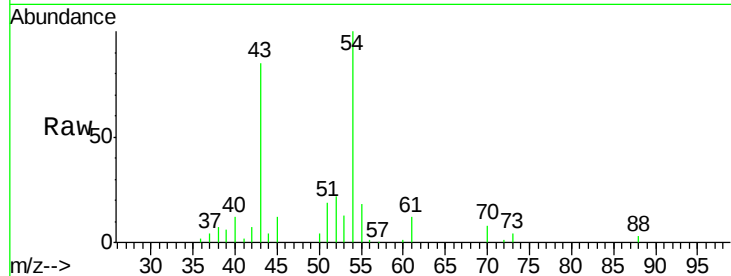
#37
Ethyl Acetate
Concen: 20.985 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion	43	Resp	83912
Ion Ratio	100	Lower	Upper
43	100		
61	12.5	10.1	15.1
70	9.3	6.8	10.2

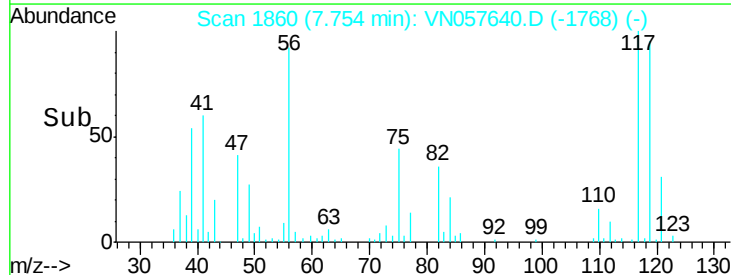
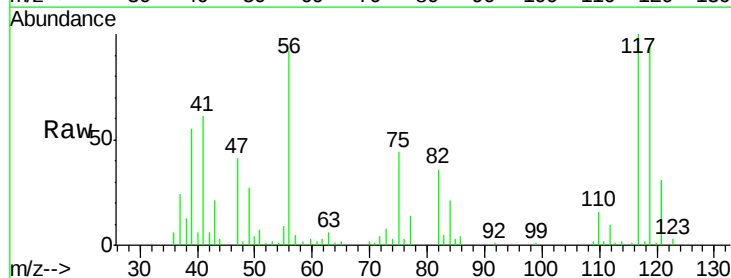
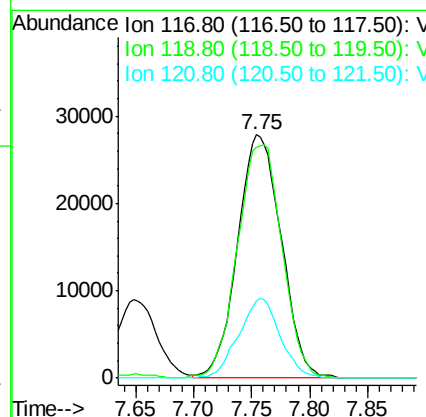
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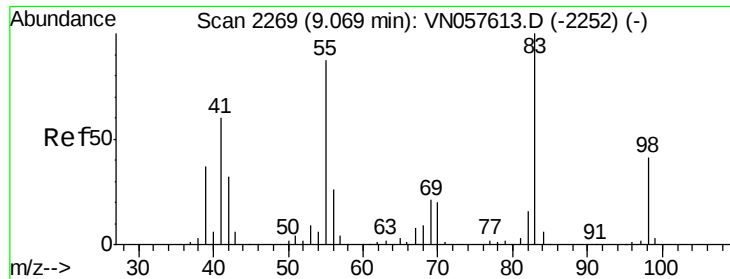
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#38
Carbon Tetrachloride
Concen: 19.459 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	117	Resp	73121
Ion Ratio	100	Lower	Upper
117	100		
119	95.1	80.6	120.8
121	31.5	25.1	37.7





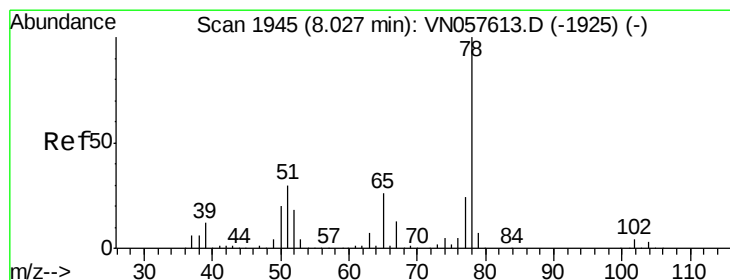
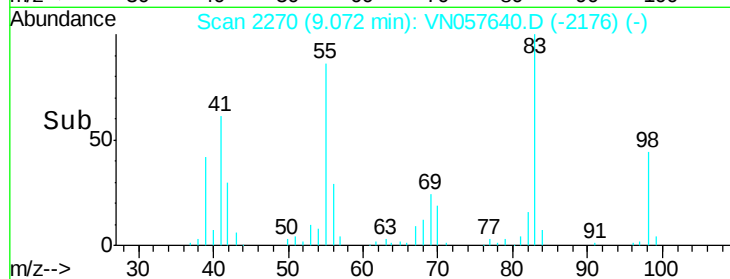
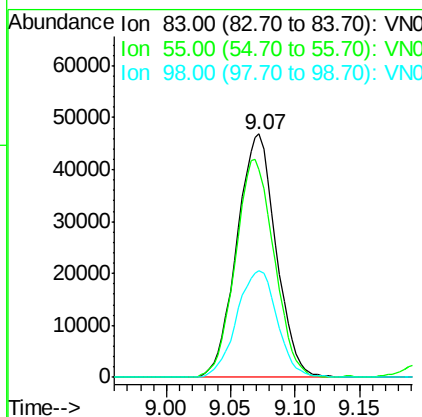
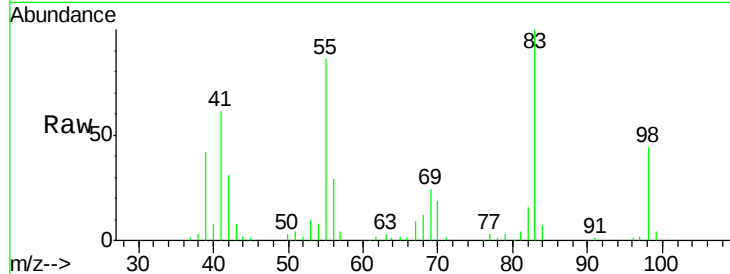
#39
Methvlcvclohexane
Concen: 19.928 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion	83	Resp	98837
Ion Ratio	Lower	Upper	
83	100		
55	85.6	69.8	104.8
98	43.7	32.7	49.1

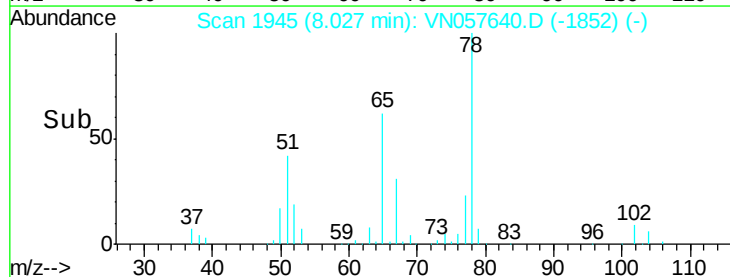
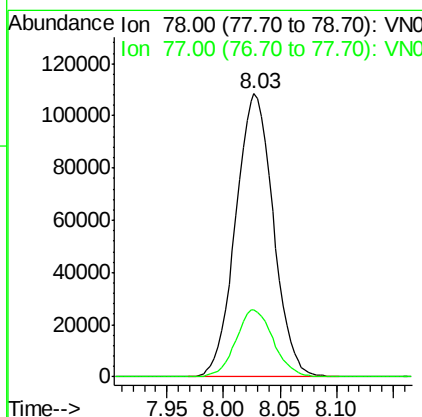
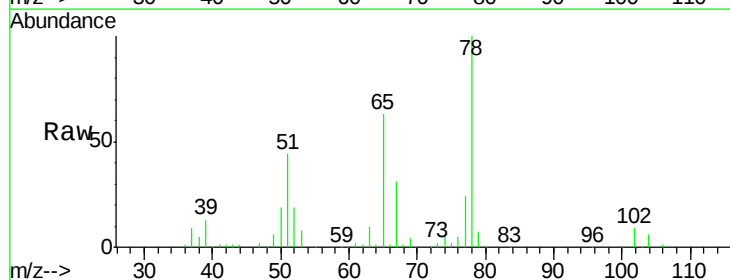
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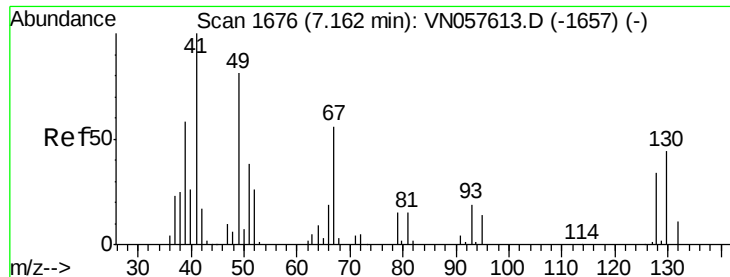
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#40
Benzene
Concen: 20.583 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	78	Resp	251521
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.1	28.7





#41

Methacrylonitrile

Concen: 19.389 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 41 Resp: 40176

Ion Ratio Lower Upper

41 100

39 64.1 50.6 75.8

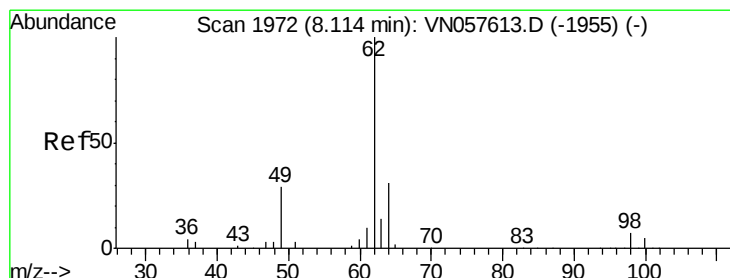
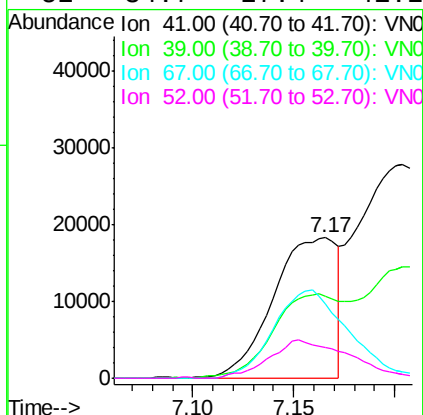
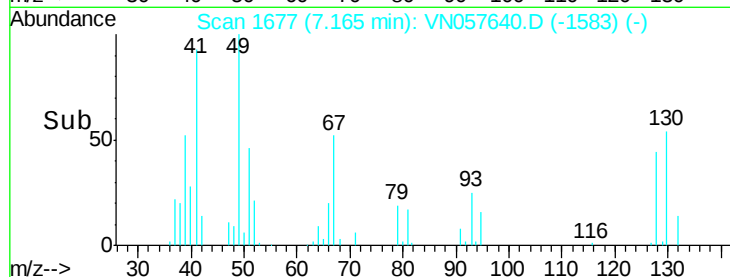
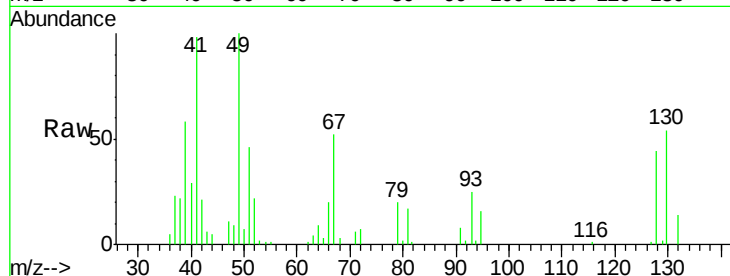
67 73.7 56.9 85.3

52 34.7 27.4 41.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.258 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057640.D

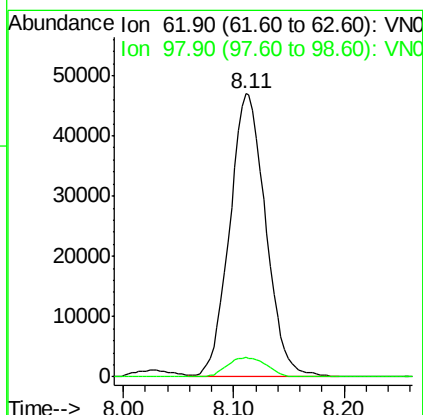
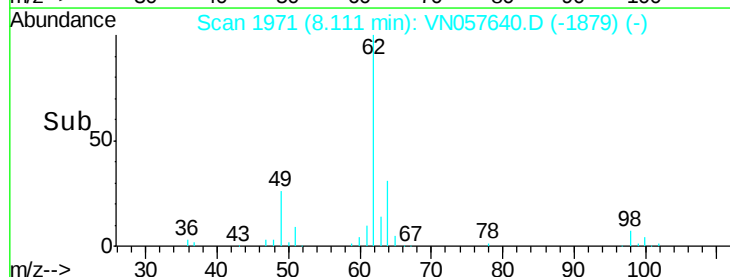
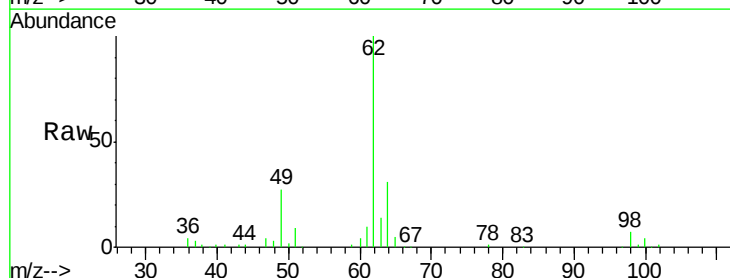
Acq: 1 Sep 2019 13:31

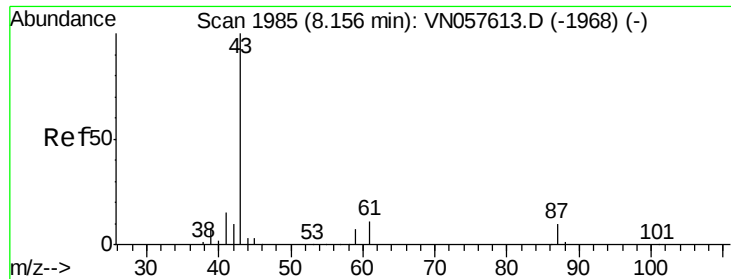
Tgt Ion: 62 Resp: 105509

Ion Ratio Lower Upper

62 100

98 7.4 0.0 14.0





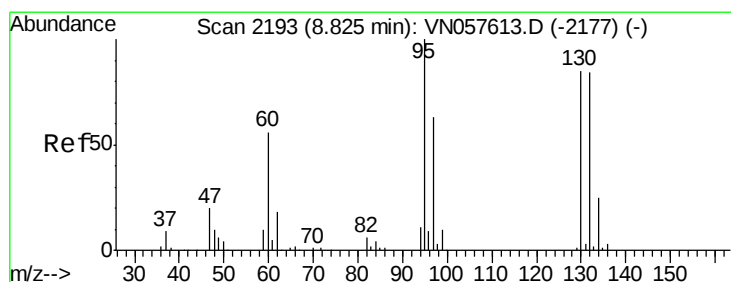
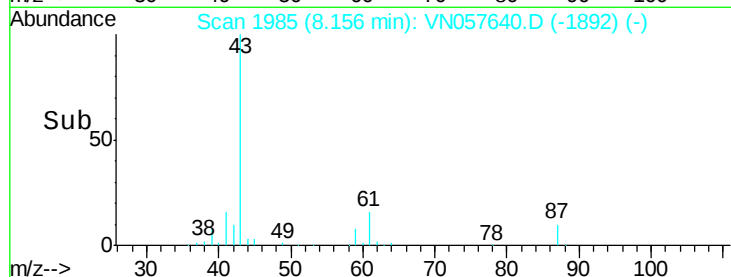
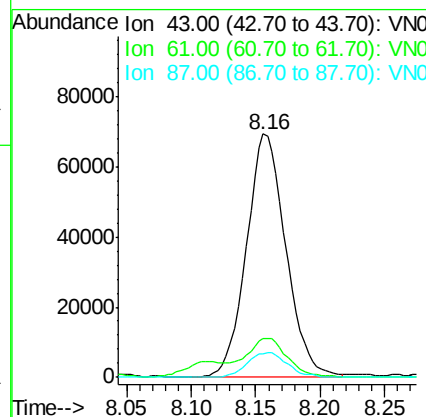
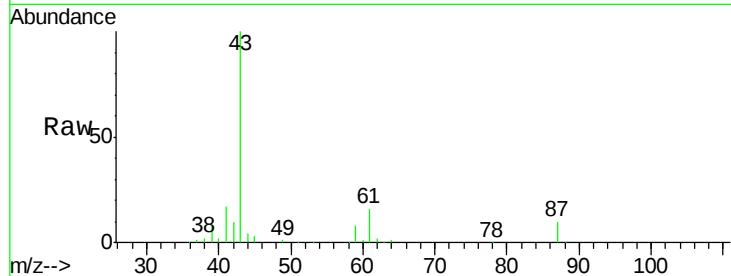
#43
Isopropyl Acetate
Concen: 20.361 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion	43	Resp	146479
Ion Ratio	100	Lower	Upper
43	100		
61	16.2	13.1	19.7
87	10.4	8.1	12.1

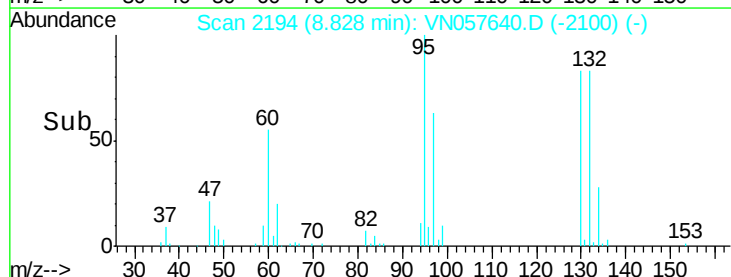
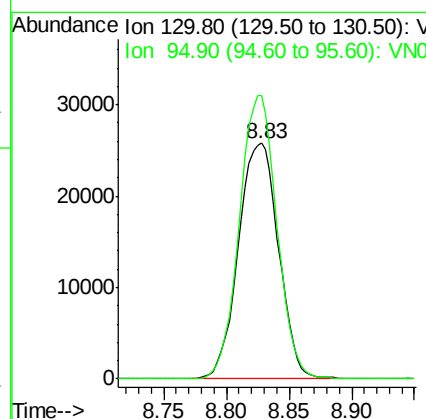
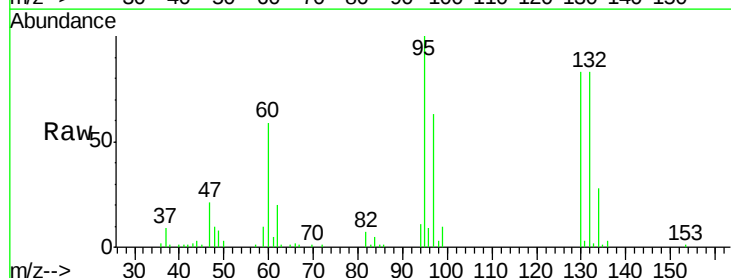
Manual Integrations
APPROVED

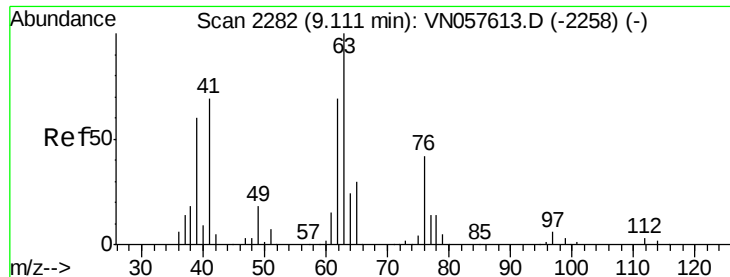
MMDadoda
9/3/2019 11:02:54 AM



#44
Trichloroethene
Concen: 20.712 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	130	Resp	57416
Ion Ratio	100	Lower	Upper
130	100		
95	120.1	0.0	234.4





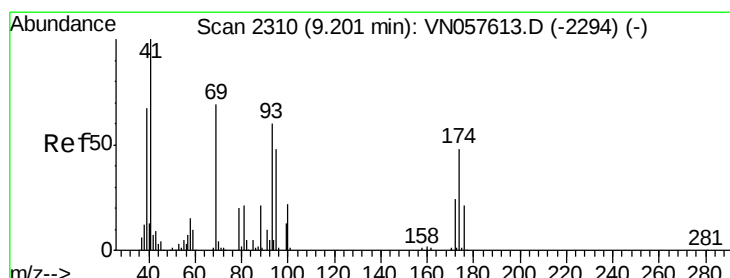
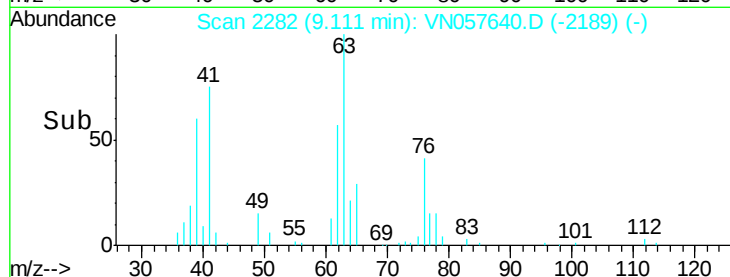
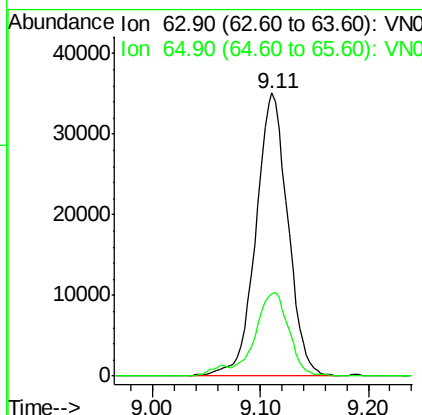
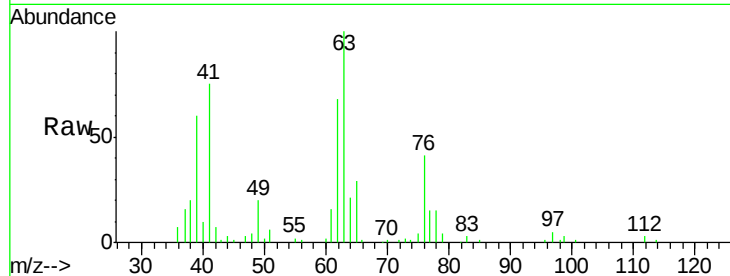
#45
 1,2-Dichloropropane
 Concen: 21.149 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Tot Ion: 63 Resp: 71984
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.4 36.6

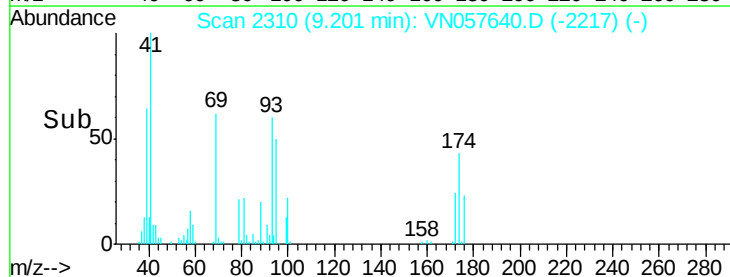
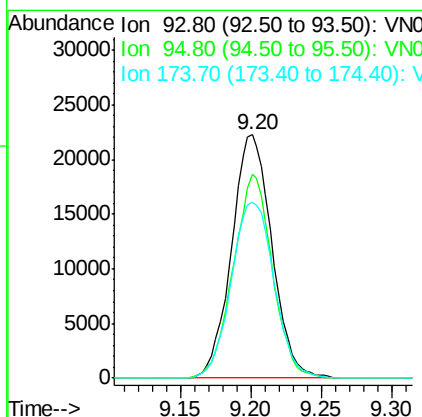
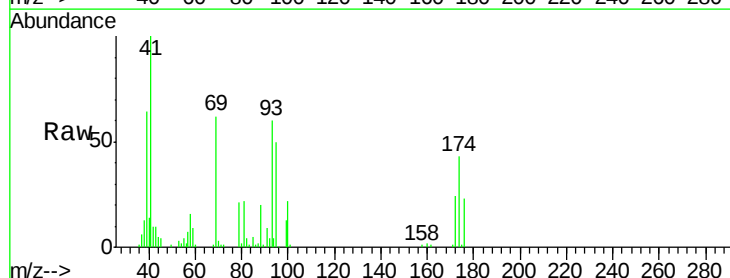
Manual Integrations
 APPROVED

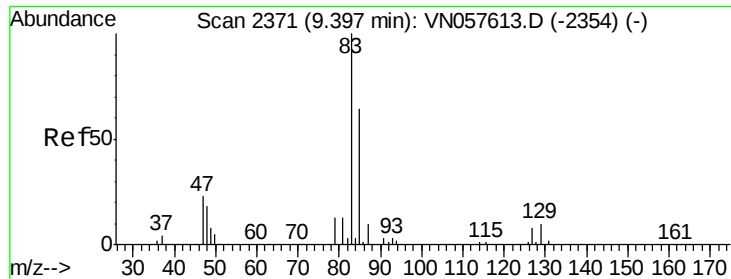
MMDadoda
 9/3/2019 11:02:54 AM



#46
 Dibromomethane
 Concen: 21.100 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 93 Resp: 44468
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.8 98.6
 174 76.8 64.2 96.2





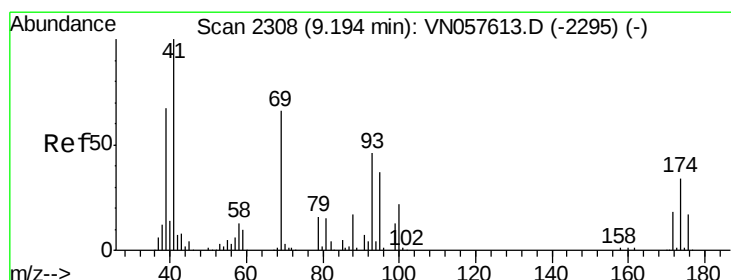
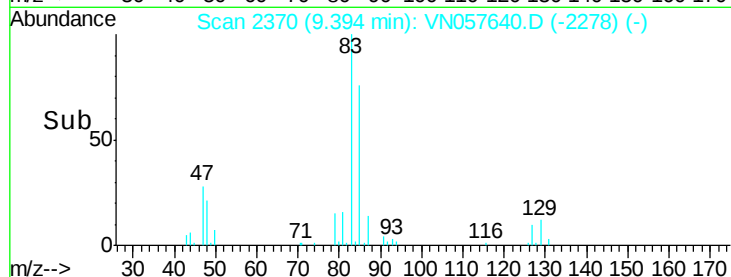
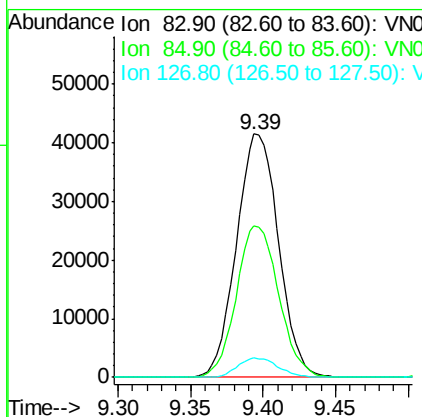
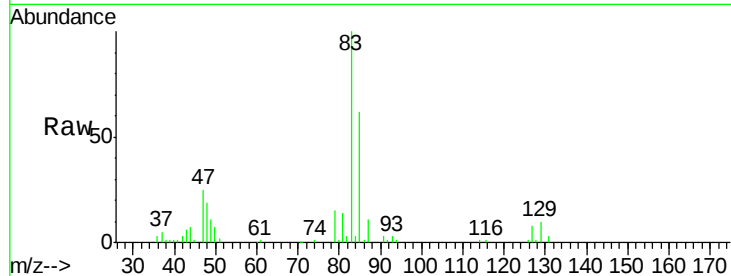
#47
Bromodichloromethane
Concen: 19.562 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion	83	Resp	83760
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	51.4	77.0
127	8.0	6.1	9.1

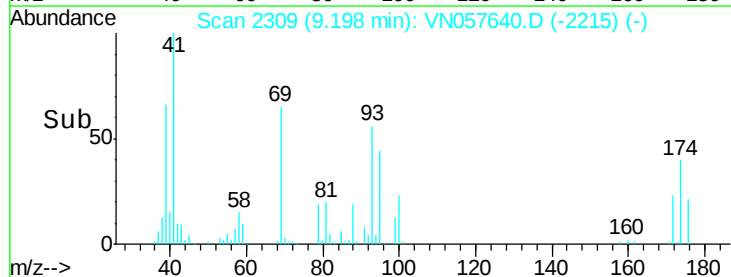
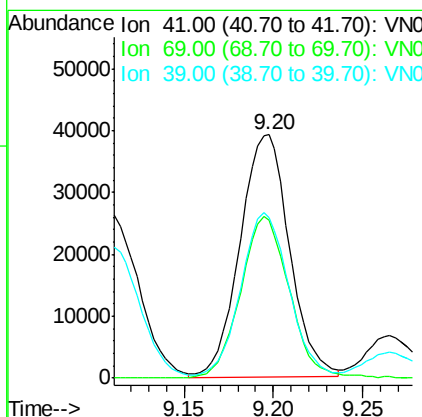
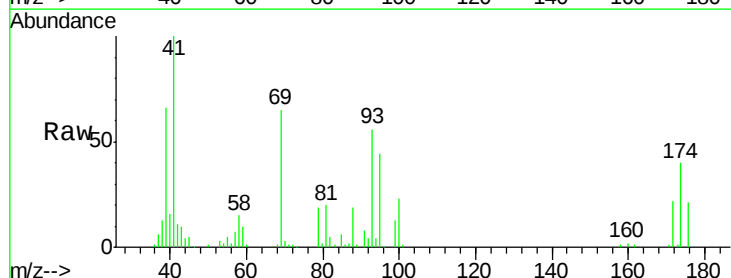
Manual Integrations
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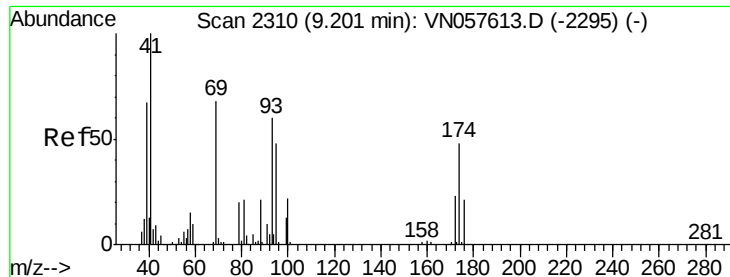
MMDadoda
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#48
Methyl methacrylate
Concen: 20.690 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	41	Resp	75997
Ion Ratio	100	Lower	Upper
41	100		
69	65.7	55.1	82.7
39	66.3	55.4	83.2





#49

1,4-Dioxane

Concen: 396.272 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

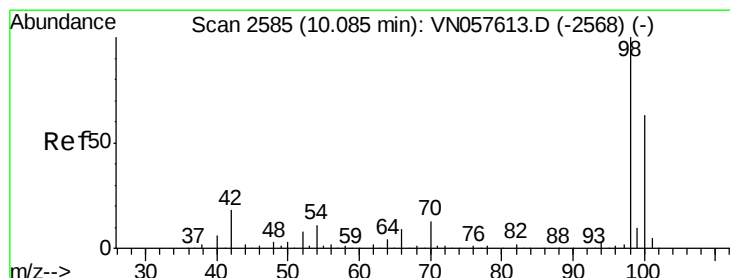
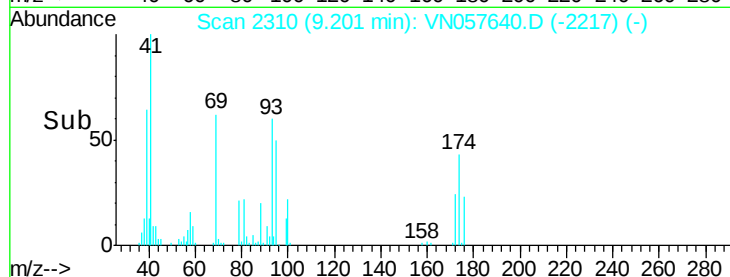
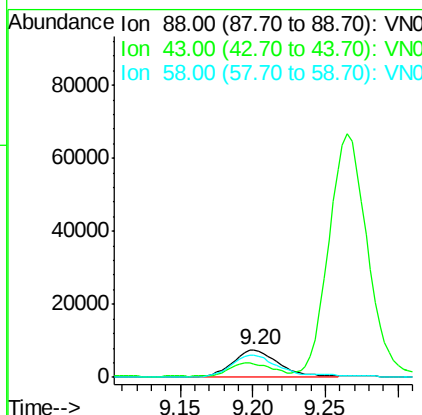
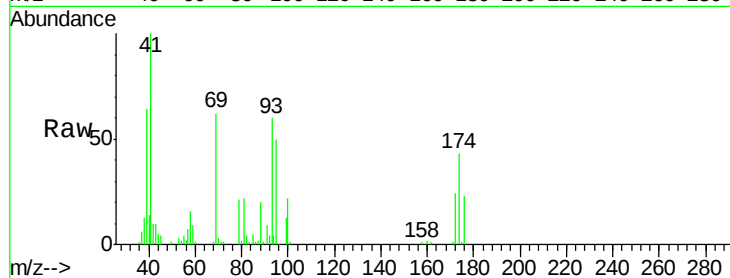
ClientSampleId :

VN0902WBS01

Tot Ion:	88	Resp:	17044
Ion	Ratio	Lower	Upper
88	100		
43	44.8	35.0	52.4
58	89.0	61.6	92.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.370 ug/l

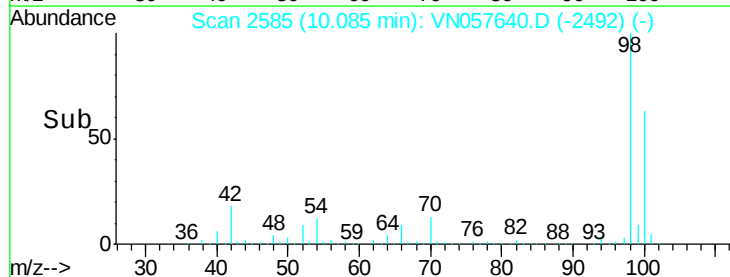
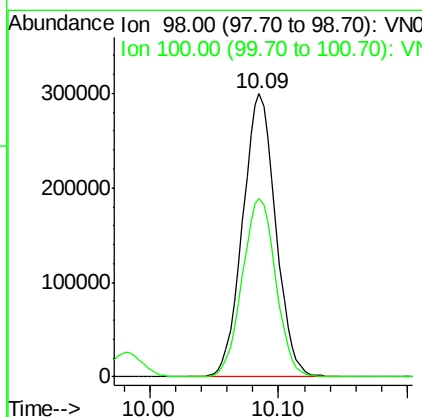
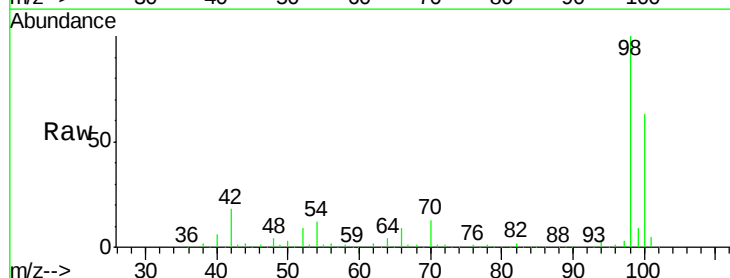
RT: 10.09 min Scan# 2585

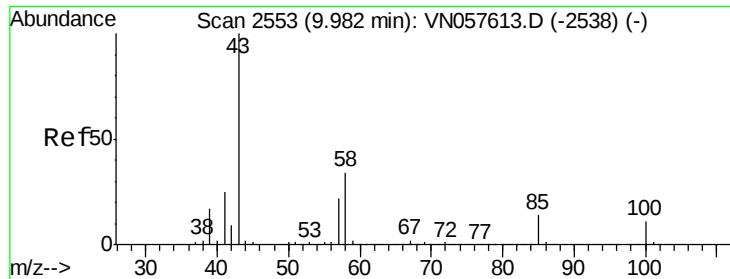
Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion:	98	Resp:	534717
Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 105.378 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 43 Resp: 434508

Ion Ratio Lower Upper

43 100

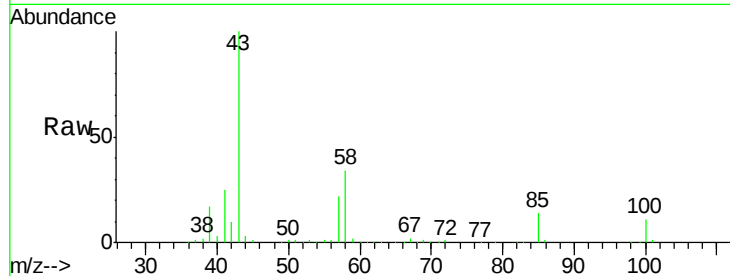
58 32.9 26.9 40.3

Manual Integrations

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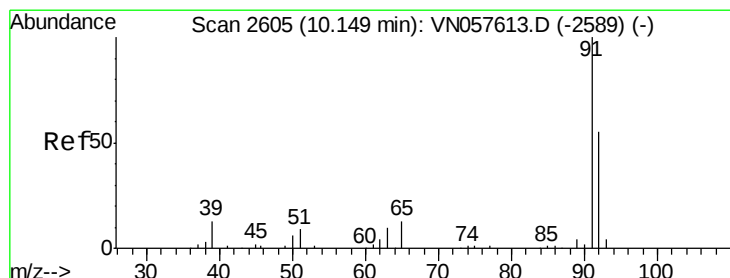
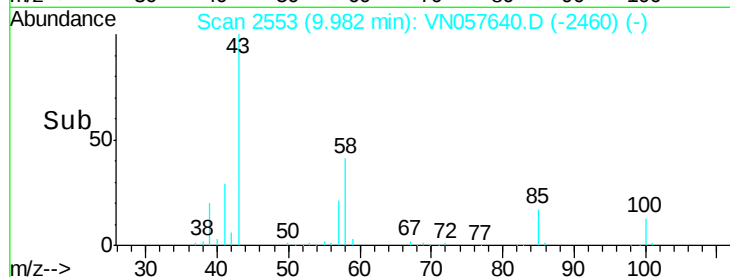
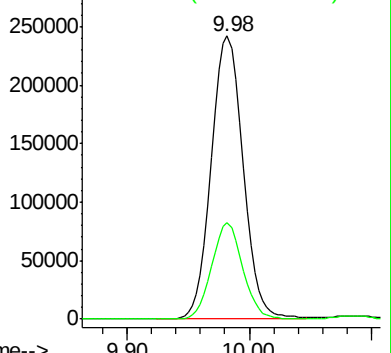
MMDadoda

9/3/2019 11:02:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.830 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057640.D

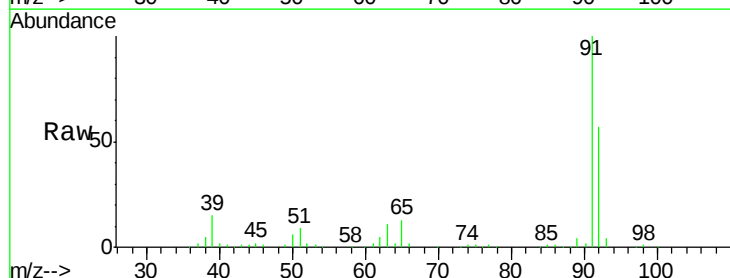
Acq: 1 Sep 2019 13:31

Tgt Ion: 92 Resp: 150441

Ion Ratio Lower Upper

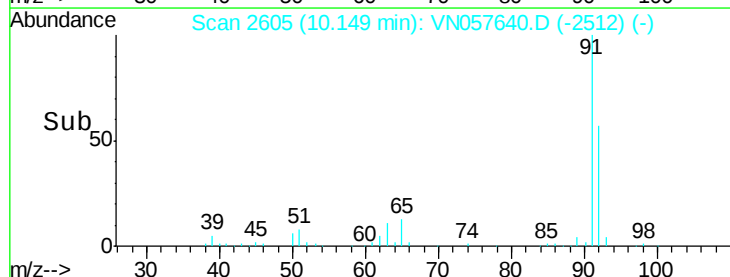
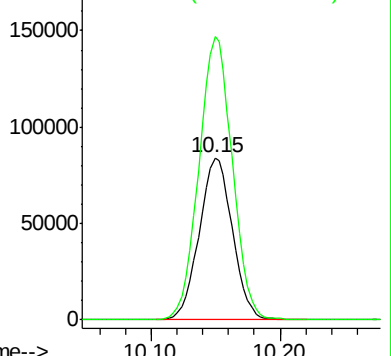
92 100

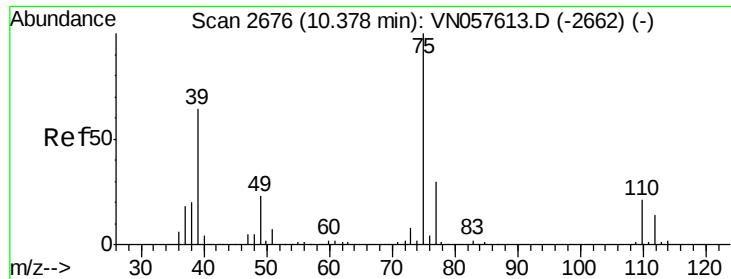
91 175.6 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





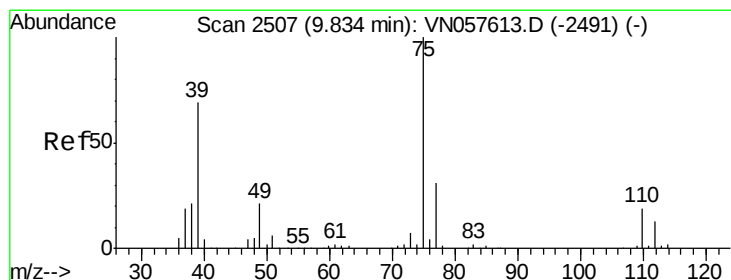
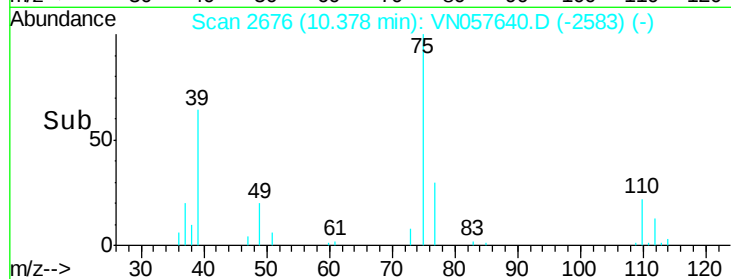
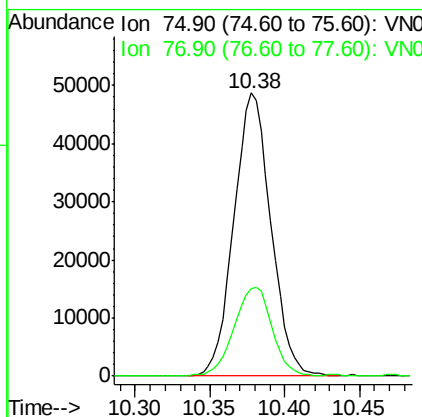
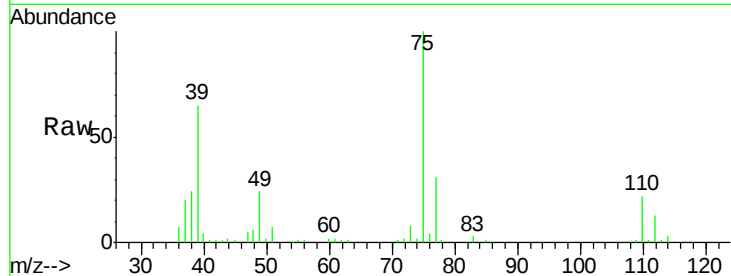
#53
t-1,3-Dichloropropene
Concen: 19.629 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion: 75 Resp: 83890
Ion Ratio Lower Upper
75 100
77 30.5 24.1 36.1

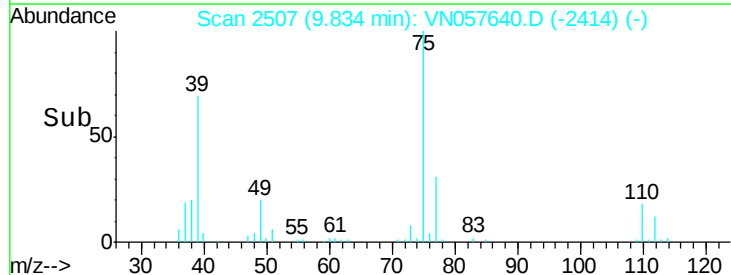
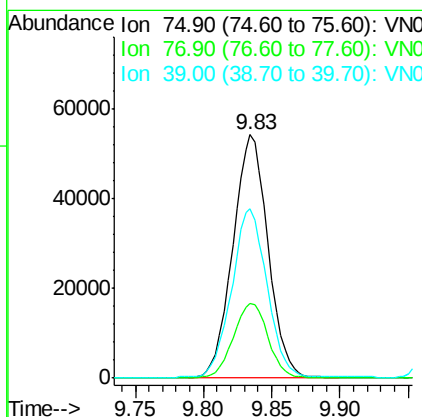
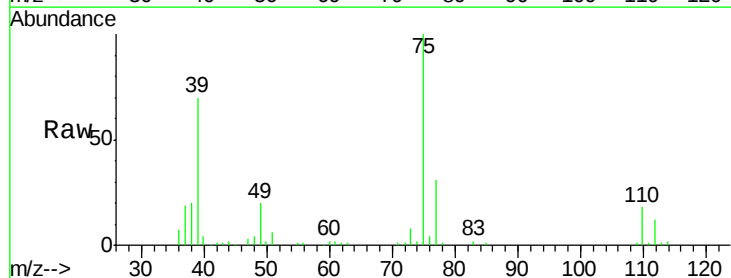
Manual Integrations
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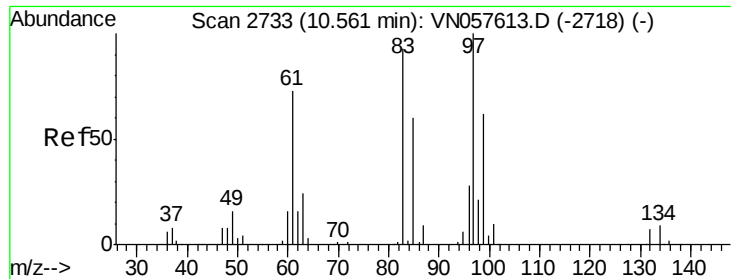
MMDadoda
9/3/2019 11:02:54 AM



#54
cis-1,3-Dichloropropene
Concen: 19.636 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 75 Resp: 97166
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 69.0 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 21.303 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

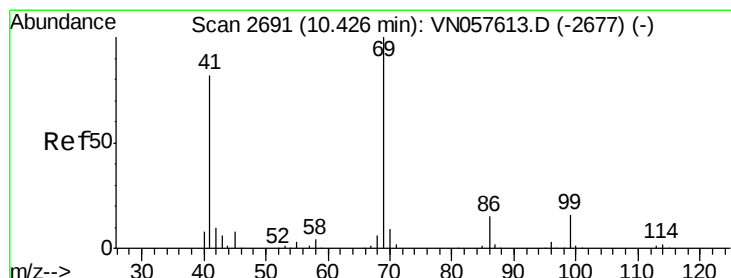
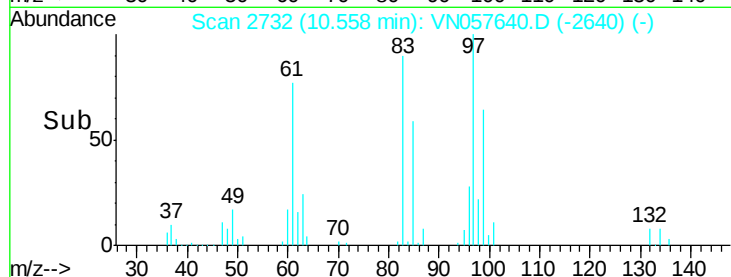
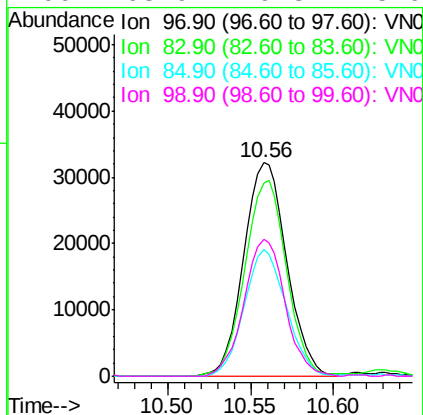
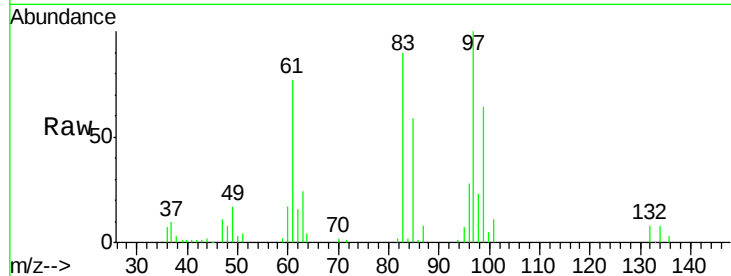
ClientSampled :

VN0902WBS01

Tot Ion:	97	Resp:	58374
Ion	Ratio	Lower	Upper
97	100		
83	90.4	74.2	111.2
85	59.2	47.8	71.8
99	63.9	49.3	73.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.901 ug/l

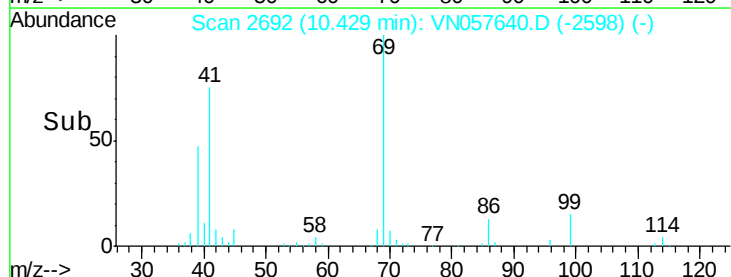
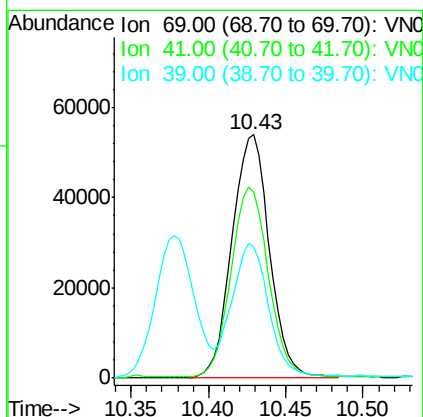
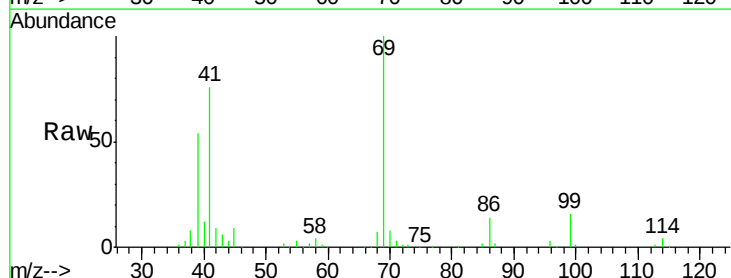
RT: 10.43 min Scan# 2692

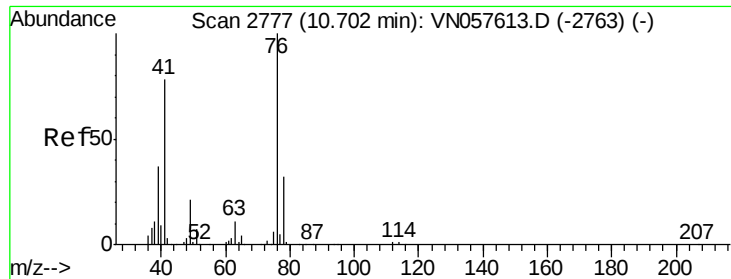
Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion:	69	Resp:	91003
Ion	Ratio	Lower	Upper
69	100		
41	77.2	65.8	98.6
39	53.0	43.8	65.8





#57

1,3-Dichloropropane

Concen: 20.659 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 76 Resp: 103858

Ion Ratio Lower Upper

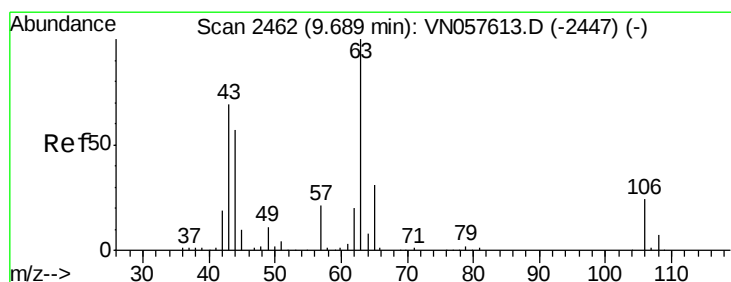
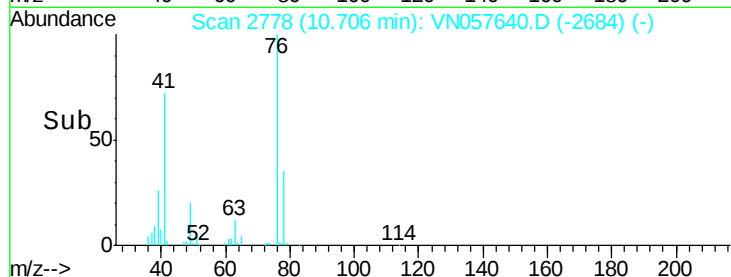
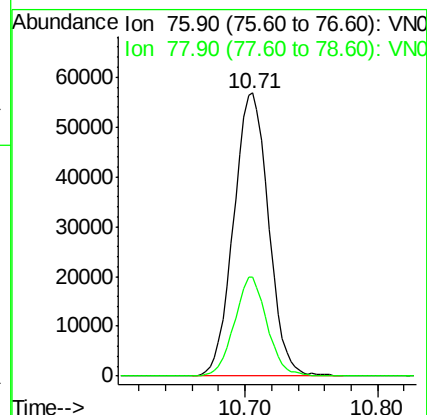
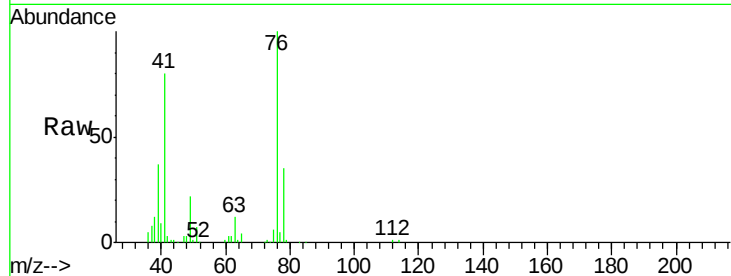
76 100

78 32.8 25.4 38.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 92.829 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057640.D

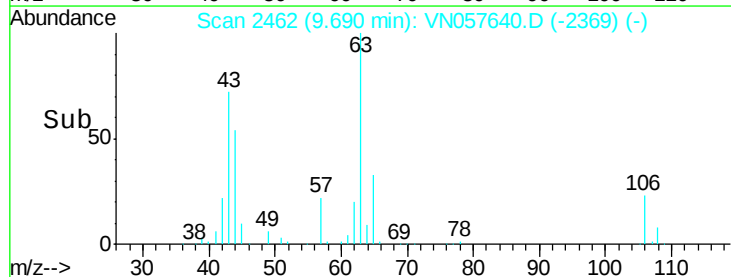
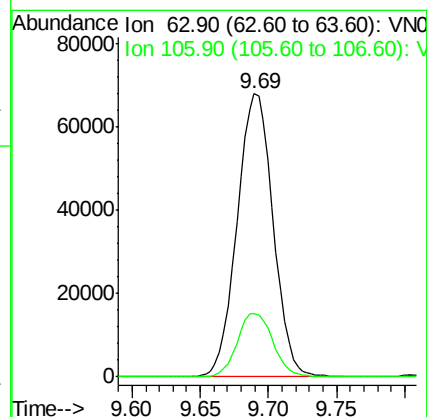
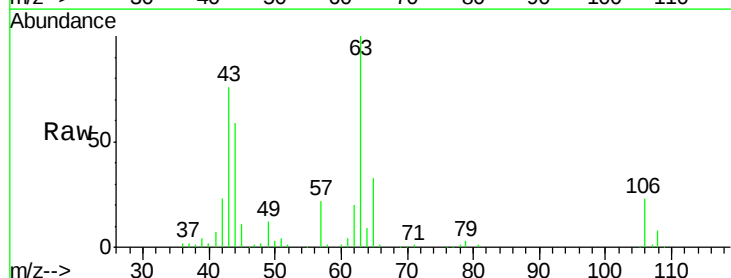
Acq: 1 Sep 2019 13:31

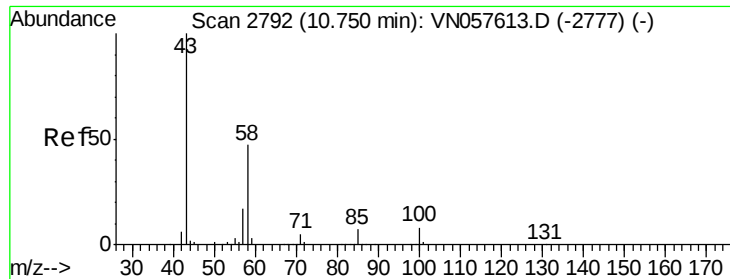
Tgt Ion: 63 Resp: 124190

Ion Ratio Lower Upper

63 100

106 22.3 18.3 27.5





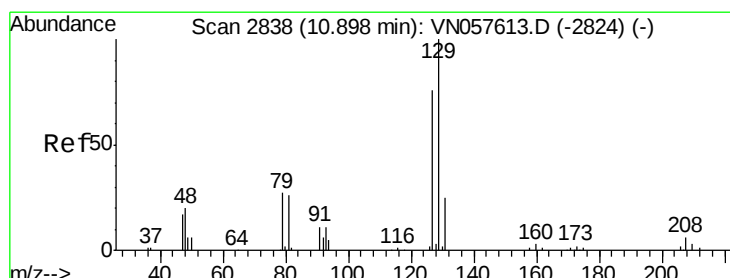
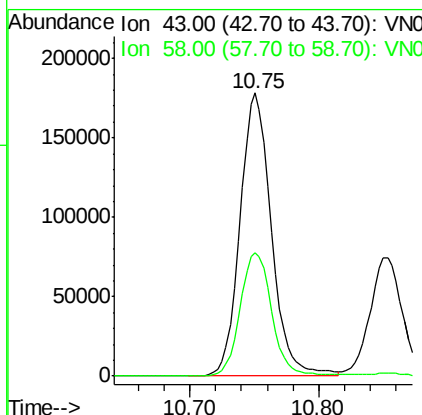
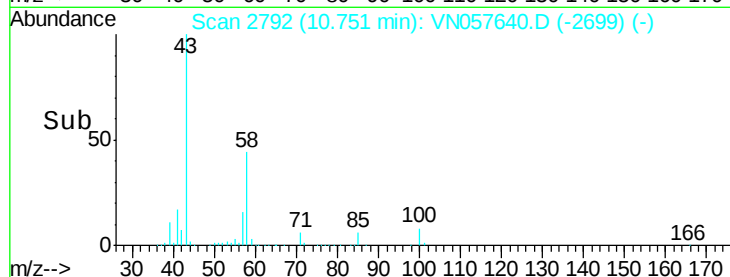
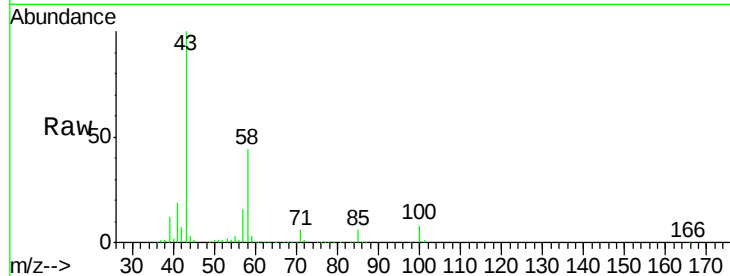
#59
2-Hexanone
Concen: 99.077 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion: 43 Resp: 300004
Ion Ratio Lower Upper
43 100
58 44.1 23.5 70.5

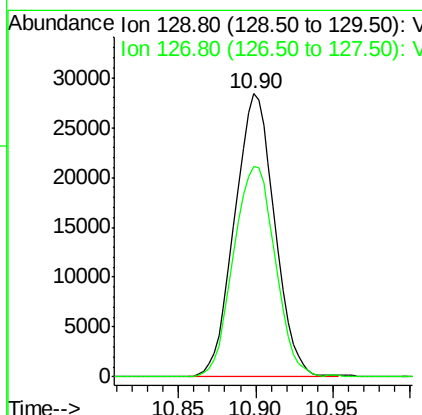
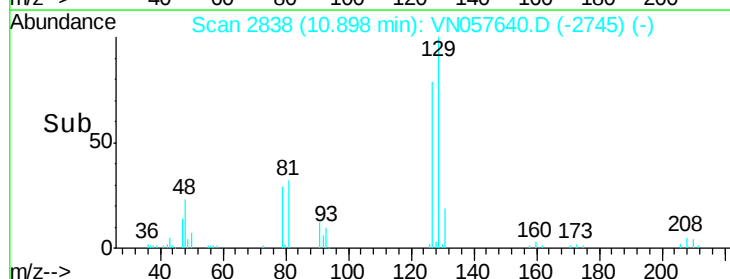
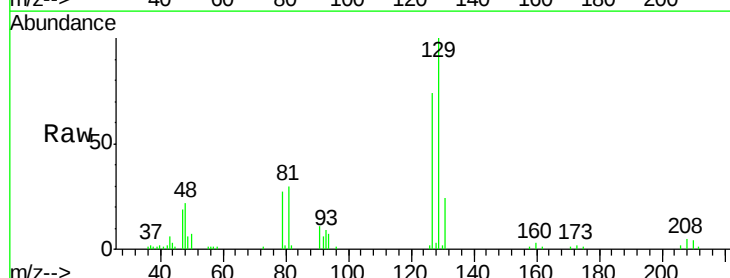
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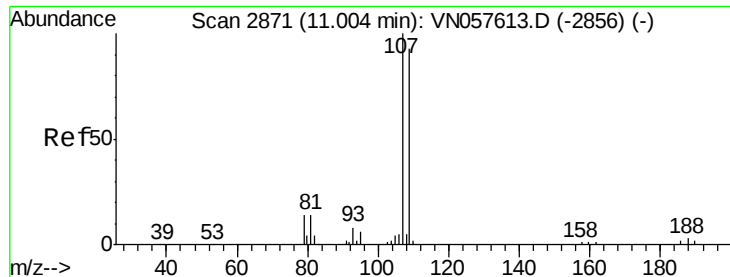
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#60
Dibromochloromethane
Concen: 19.370 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 129 Resp: 51166
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.323 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion:107 Resp: 56073

Ion Ratio Lower Upper

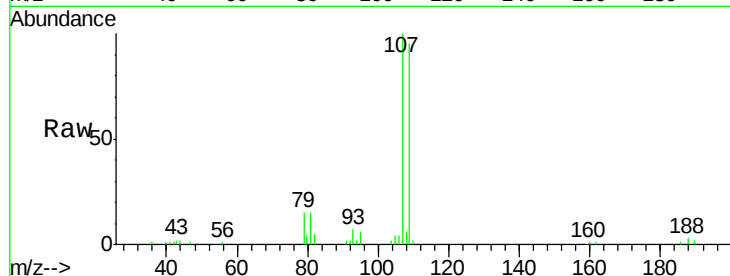
107 100

109 95.6 75.0 112.4

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

30000

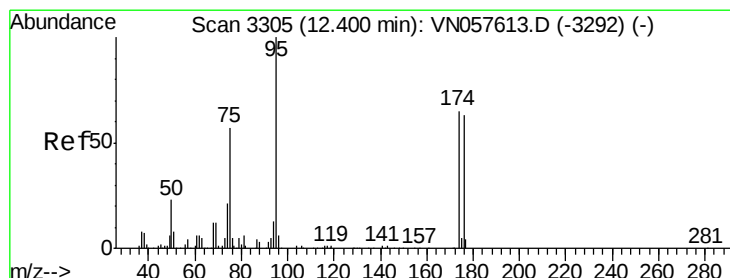
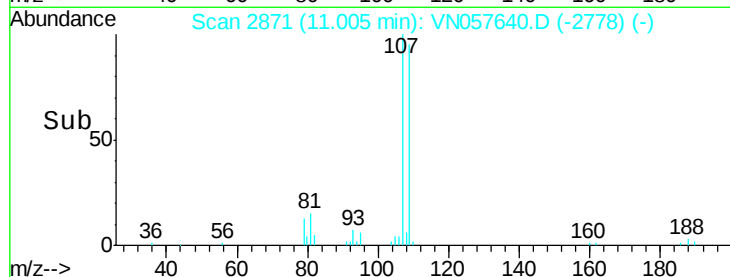
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 46.187 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

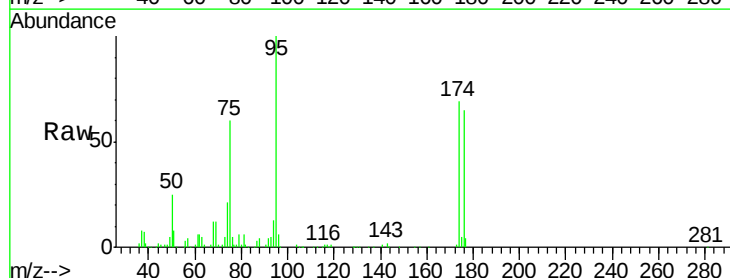
Tgt Ion: 95 Resp: 186446

Ion Ratio Lower Upper

95 100

174 68.8 0.0 134.8

176 65.4 0.0 131.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

150000

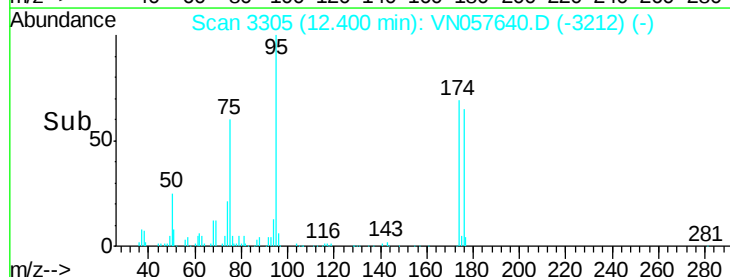
100000

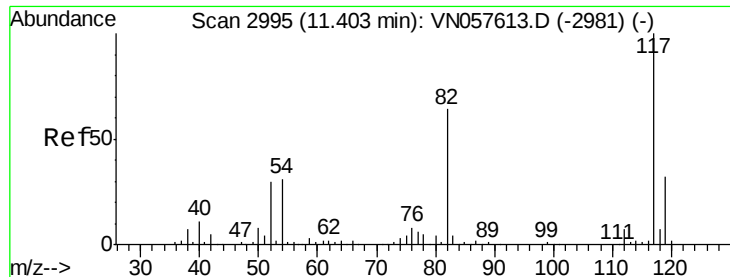
50000

0

Time-->

12.30 12.40 12.50





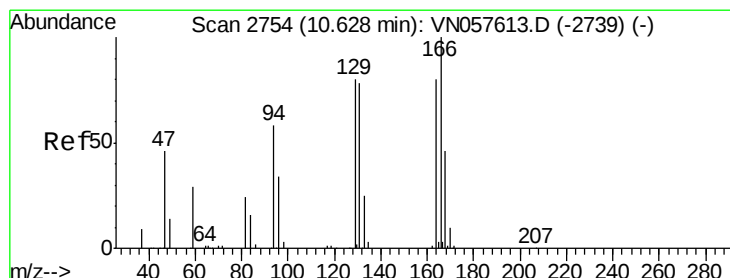
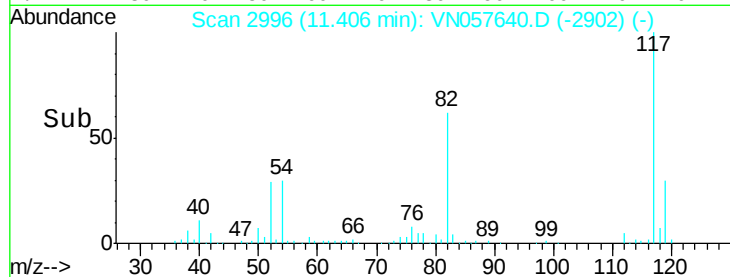
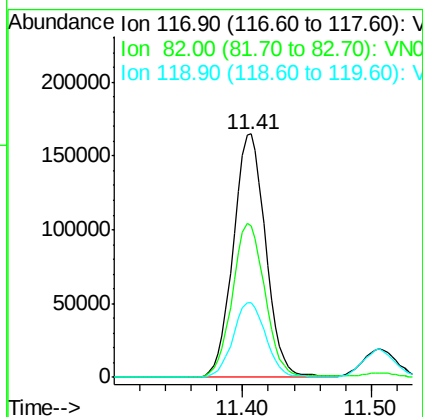
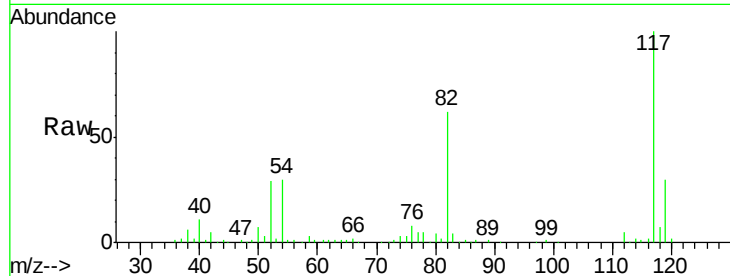
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	51.6	77.4
119	30.4	25.8	38.6

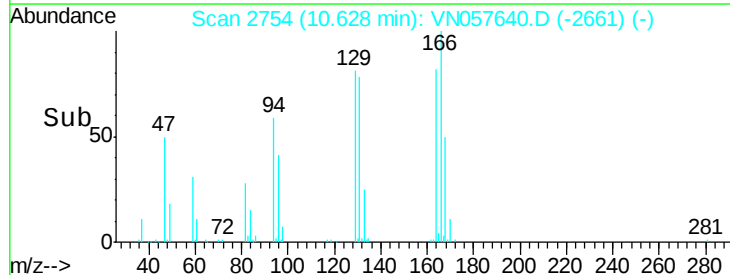
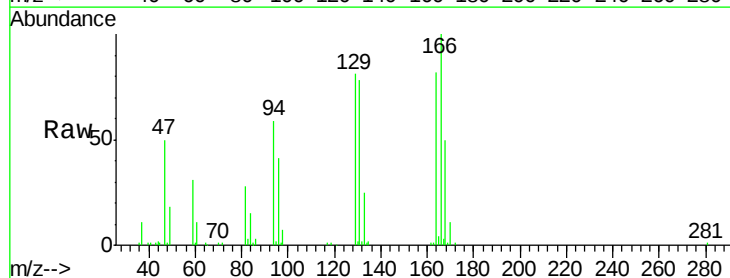
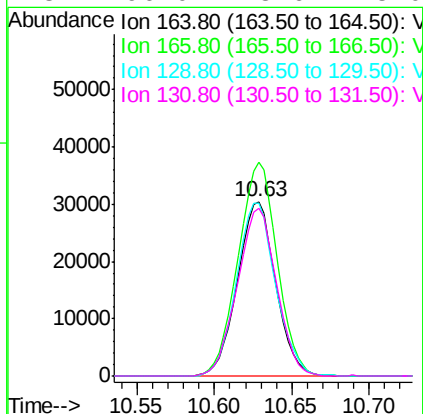
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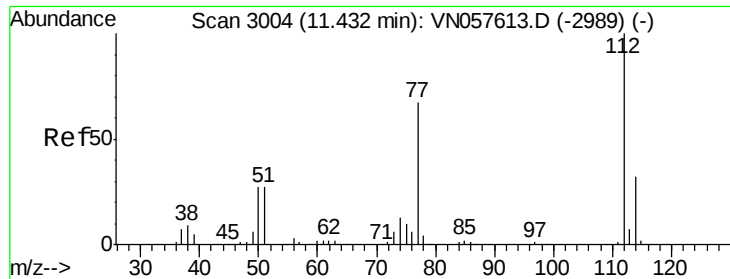
MMDadoda
9/3/2019 11:02:54 AM



#64
Tetrachloroethene
Concen: 20.903 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	100.6	151.0
129	99.1	80.4	120.6
131	96.0	78.6	118.0





#65

Chlorobenzene

Concen: 20.735 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion:112 Resp: 149822

Ion Ratio Lower Upper

112 100

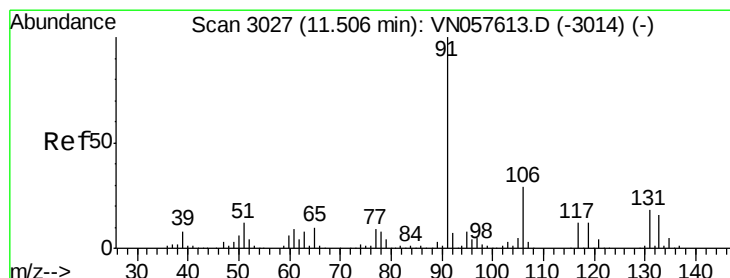
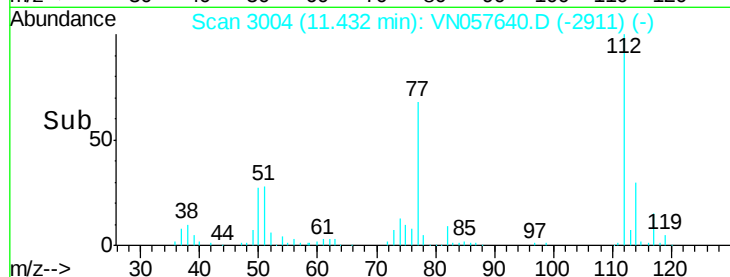
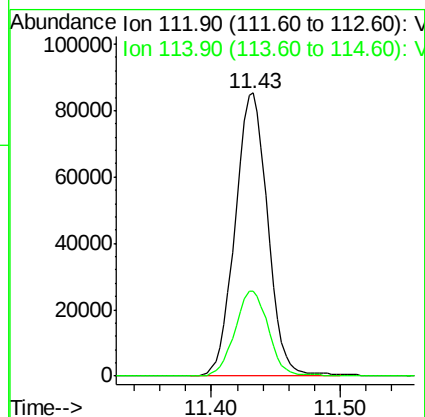
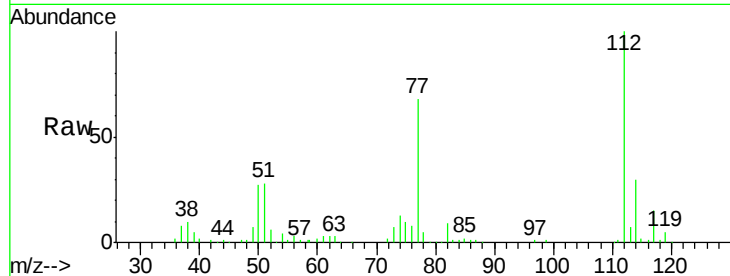
114 30.1 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.778 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

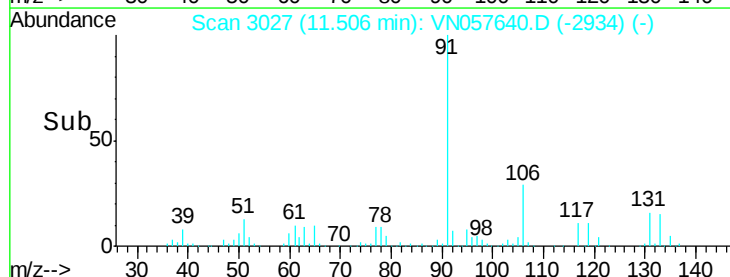
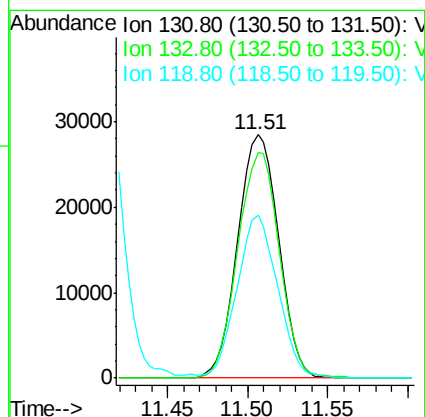
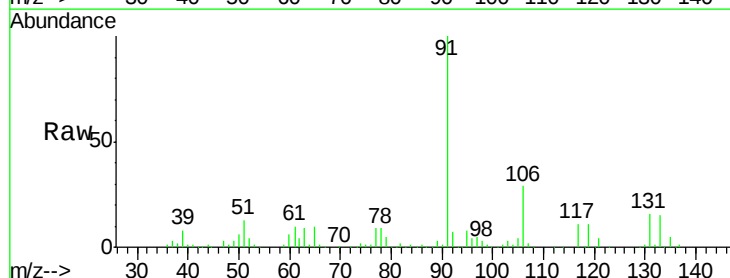
Tgt Ion:131 Resp: 49840

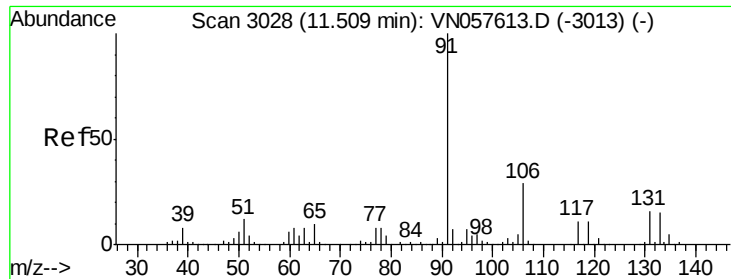
Ion Ratio Lower Upper

131 100

133 94.2 47.8 143.4

119 66.2 33.9 101.6





#67

Ethyl Benzene

Concen: 20.879 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 91 Resp: 293114

Ion Ratio Lower Upper

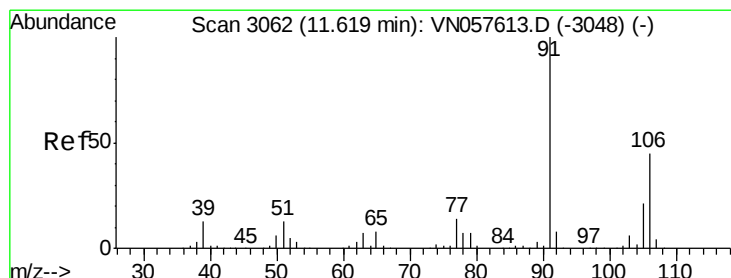
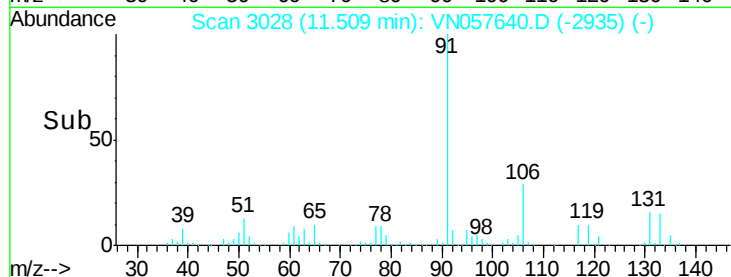
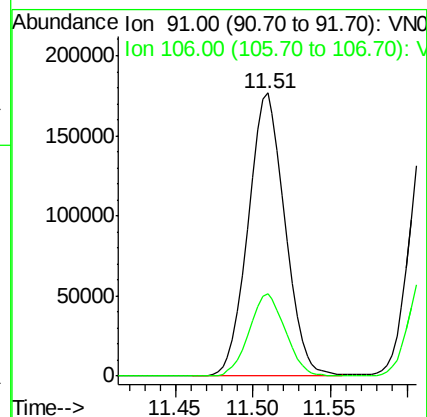
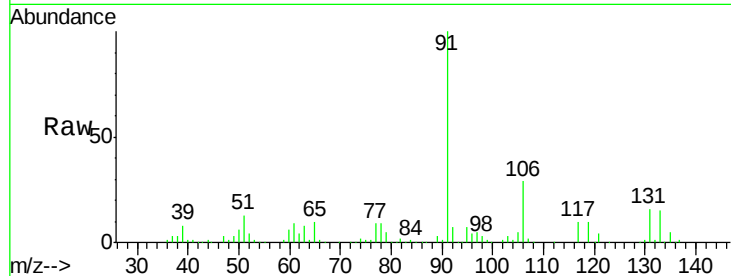
91 100

106 29.1 22.9 34.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.393 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057640.D

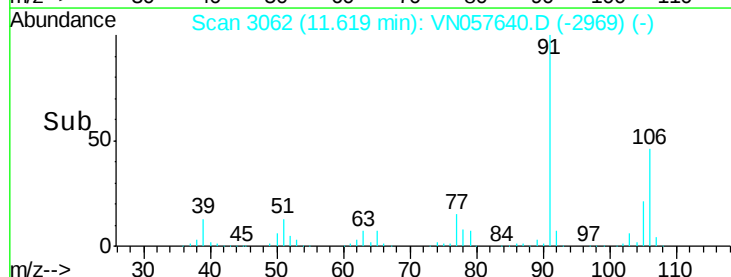
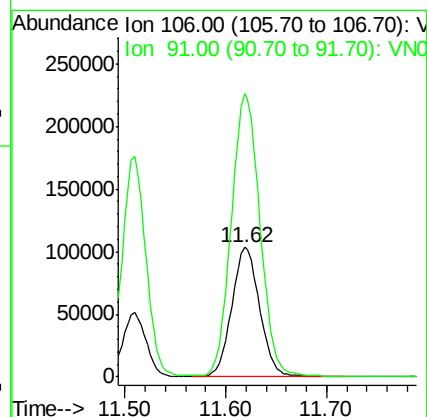
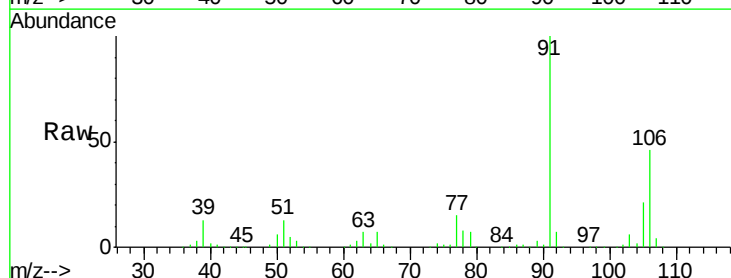
Acq: 1 Sep 2019 13:31

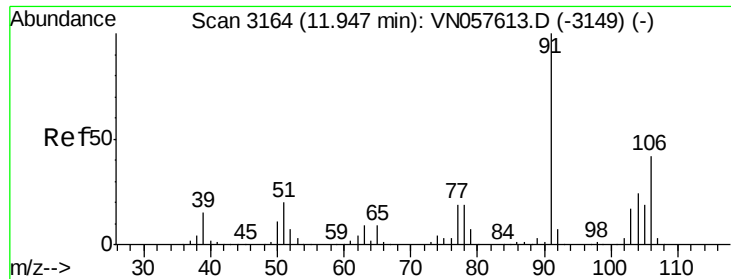
Tgt Ion: 106 Resp: 199776

Ion Ratio Lower Upper

106 100

91 224.9 176.2 264.2





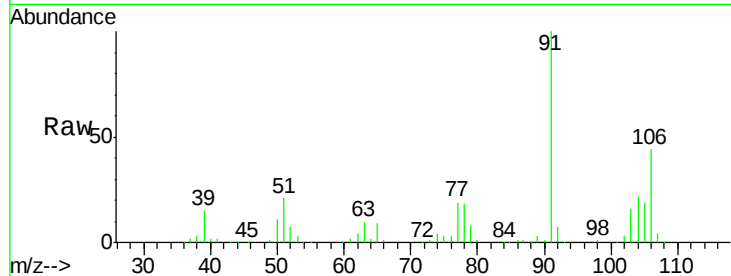
#69
o-Xylene
Concen: 20.983 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

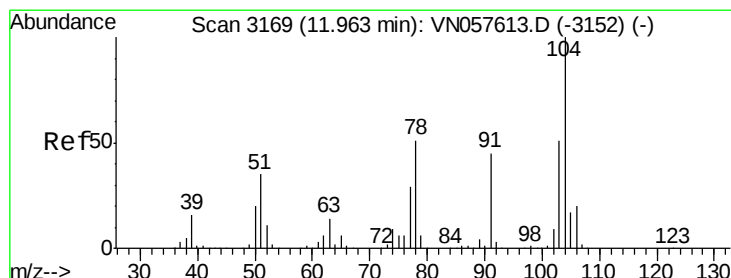
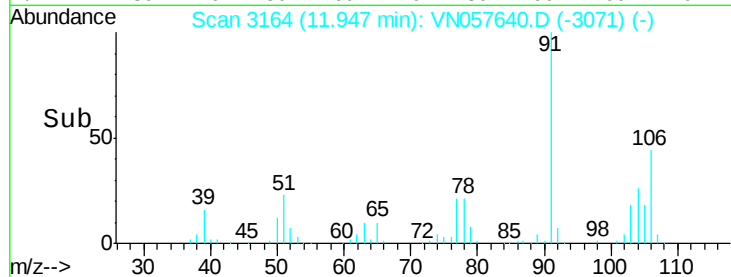
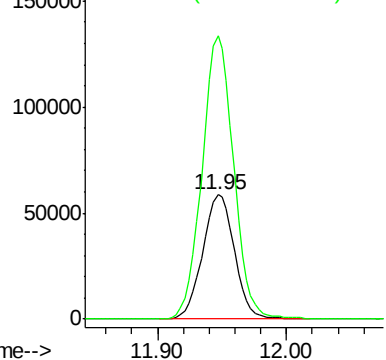
Tot Ion:106 Resp: 100573
Ion Ratio Lower Upper
106 100
91 225.8 117.3 351.8

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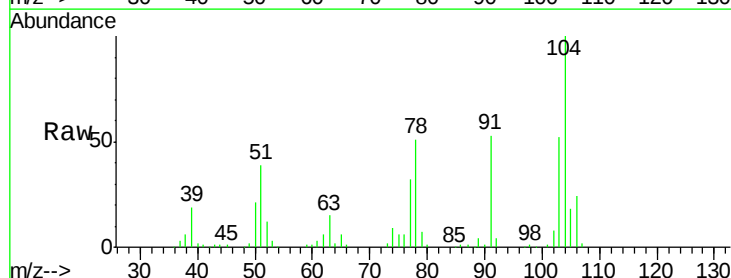


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

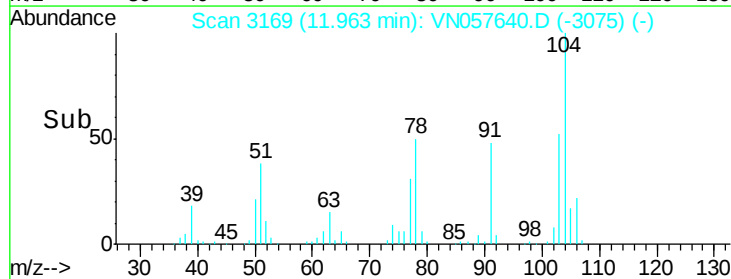
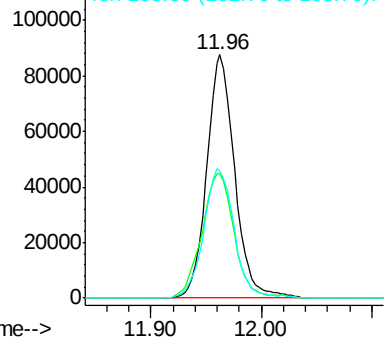


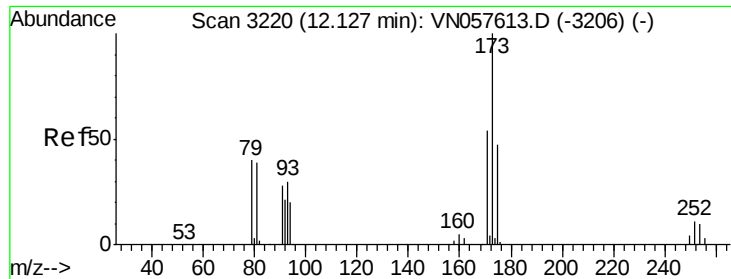
#70
Styrene
Concen: 19.476 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion:104 Resp: 153662
Ion Ratio Lower Upper
104 100
78 59.4 46.6 70.0
103 58.1 44.7 67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





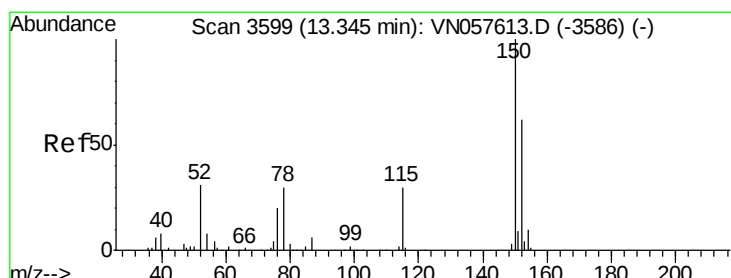
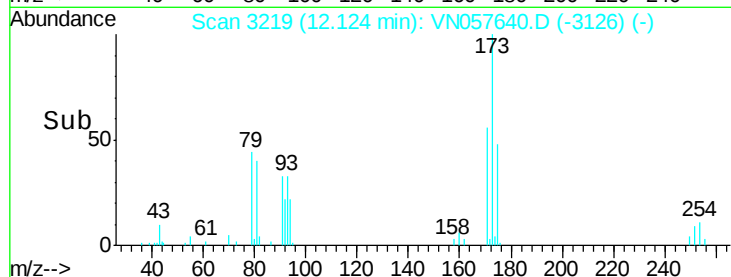
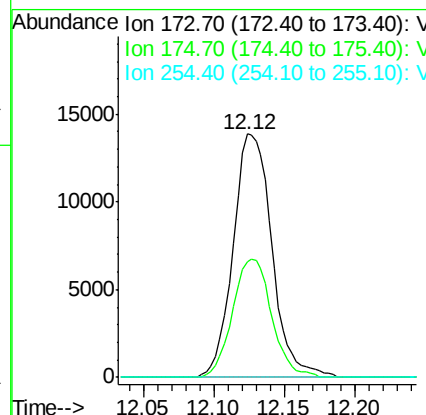
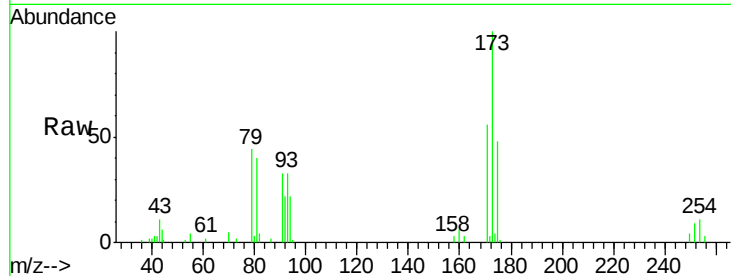
#71
Bromoform
Concen: 18.705 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

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

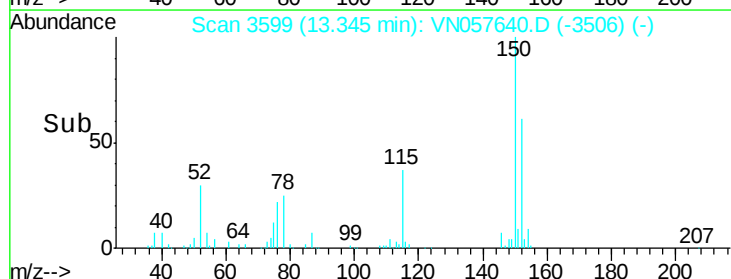
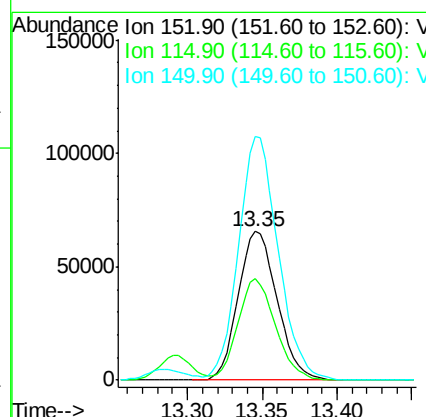
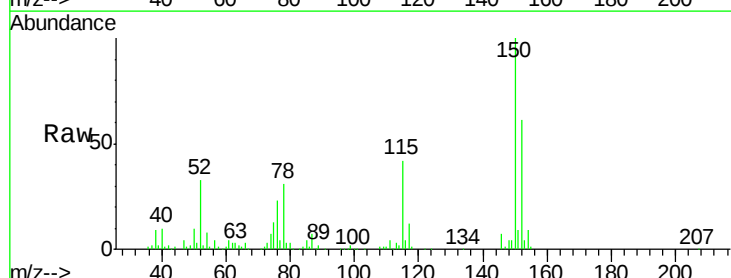
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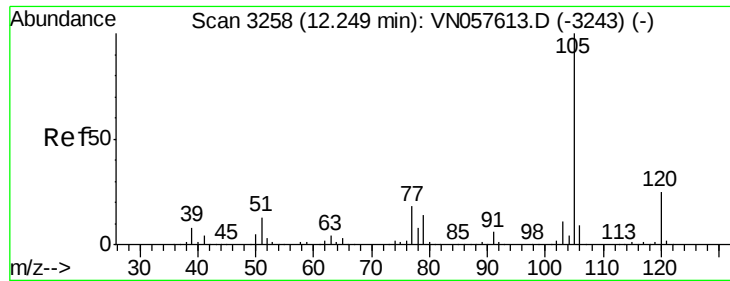
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.1	33.2	99.6
150	167.0	0.0	365.2





#73

Isopropylbenzene

Concen: 22.414 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion: 105 Resp: 268670

Ion Ratio Lower Upper

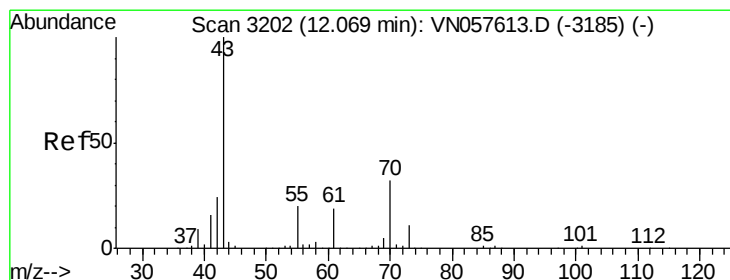
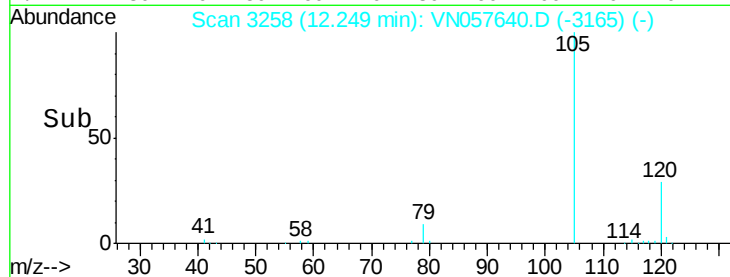
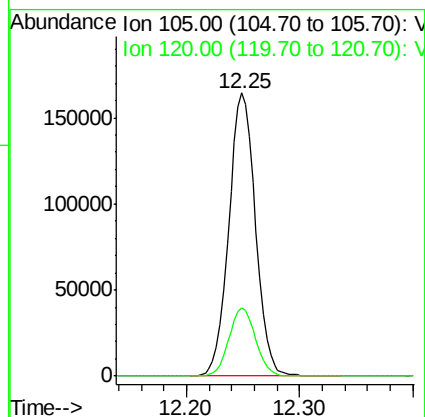
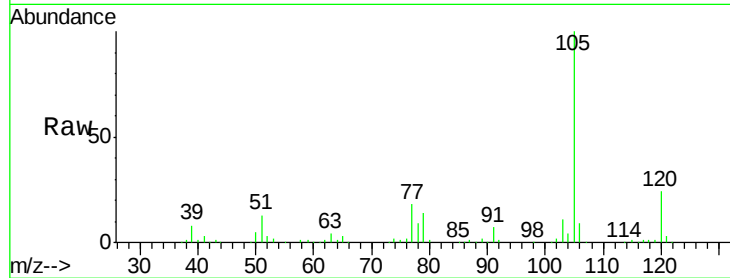
105 100

120 24.2 12.7 38.1

Manual Integrations
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MMDadoda

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#74

N-ethyl acetate

Concen: 21.256 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion: 43 Resp: 120243

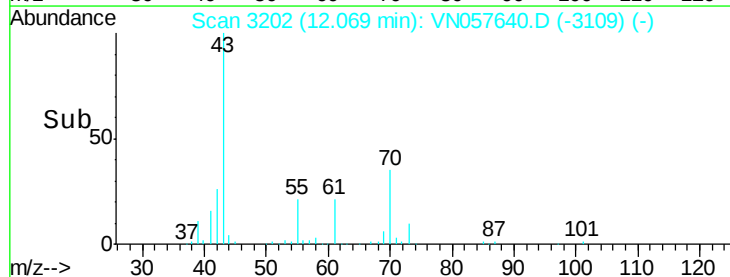
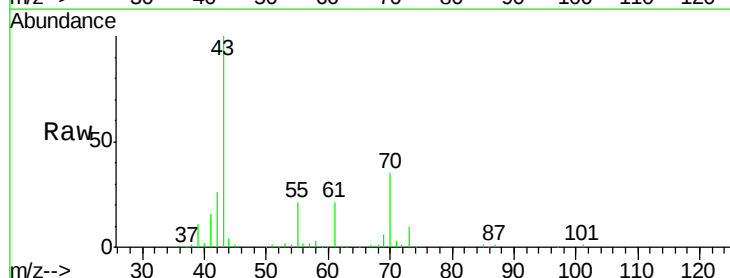
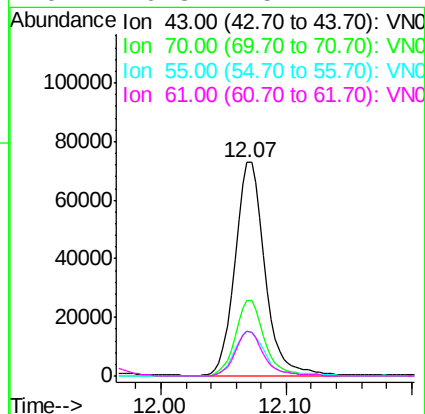
Ion Ratio Lower Upper

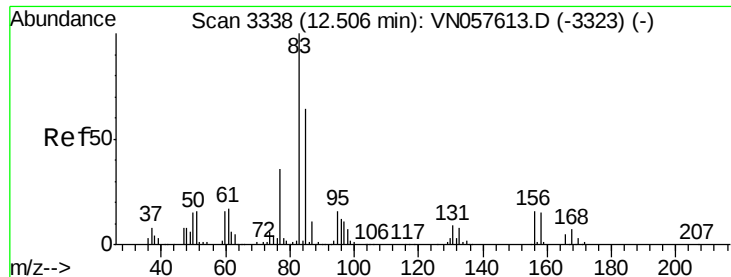
43 100

70 34.3 26.9 40.3

55 21.1 16.8 25.2

61 20.3 15.1 22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.828 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

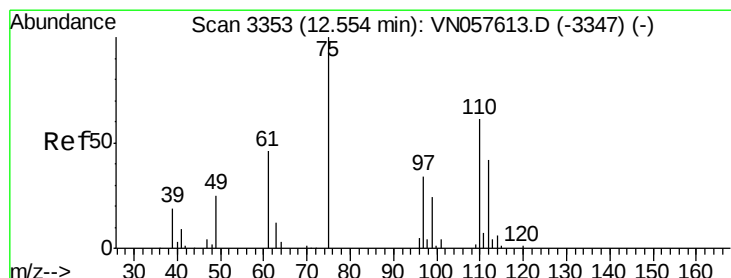
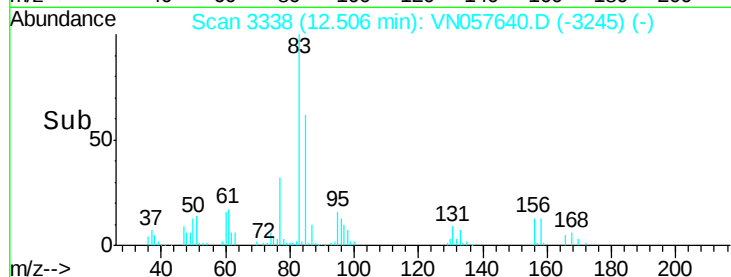
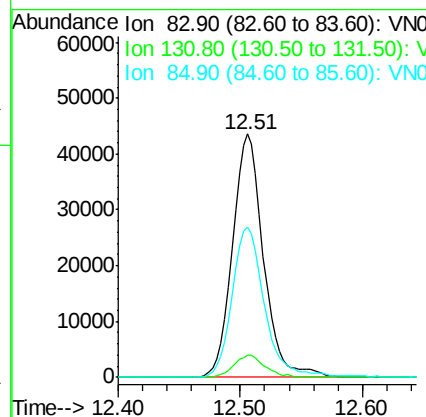
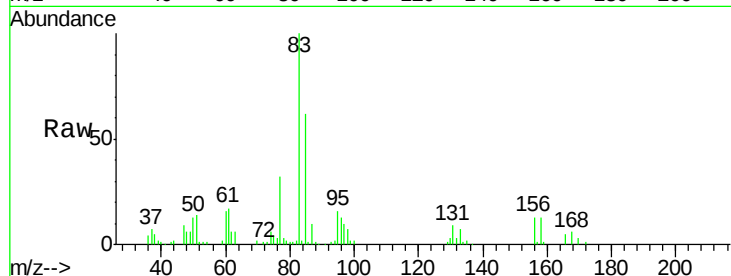
ClientSampled :

VN0902WBS01

Tot Ion:	83	Resp:	77117
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.7
85	64.4	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.479 ug/l m

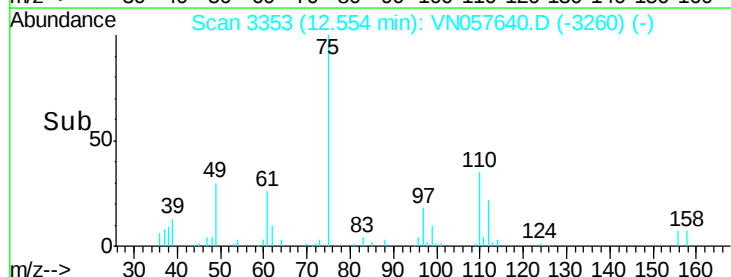
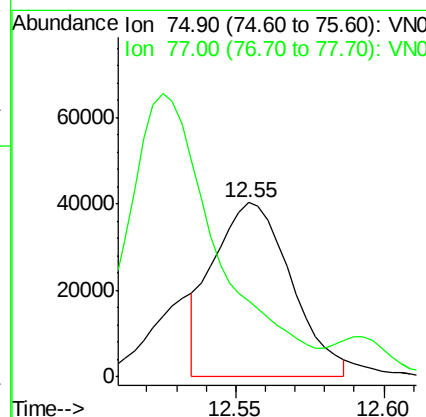
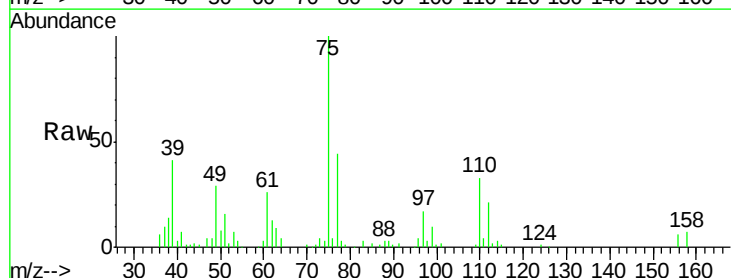
RT: 12.55 min Scan# 3353

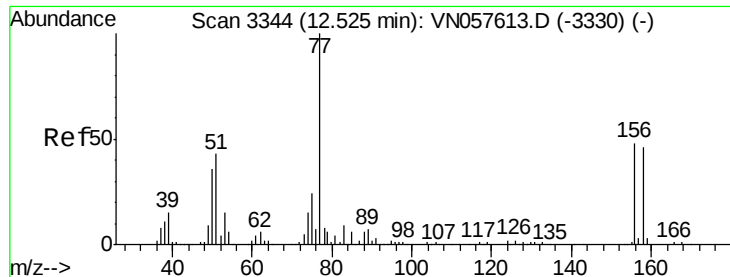
Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion:	75	Resp:	73325
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





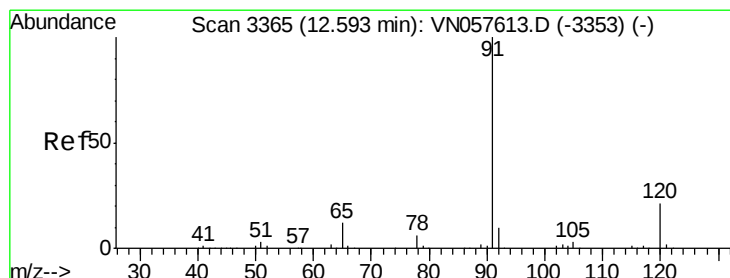
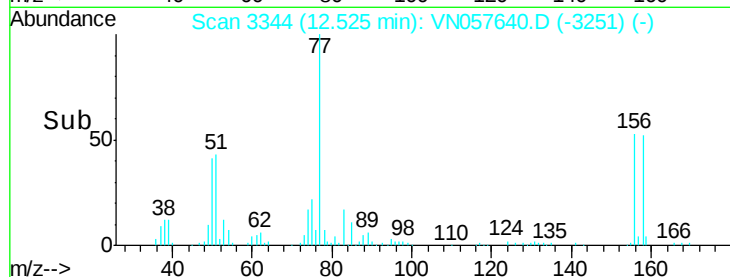
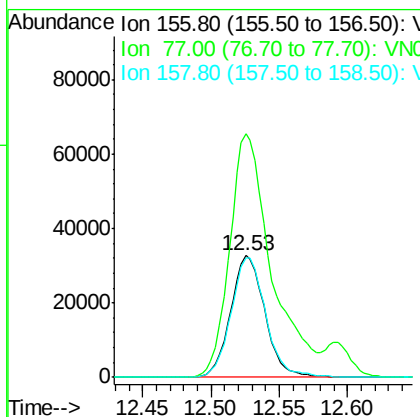
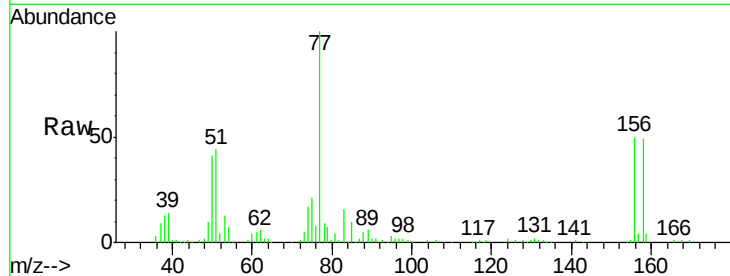
#77
Bromobenzene
Concen: 22.301 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	245.2	123.5	370.5	
158	99.9	47.8	143.3	

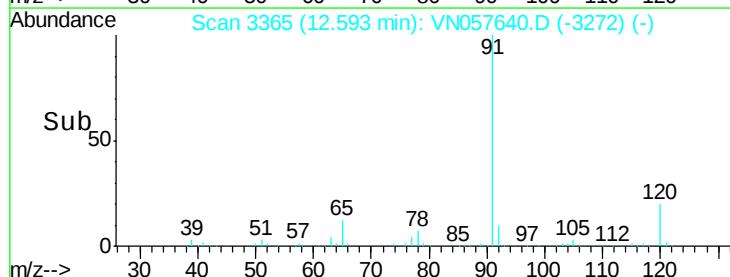
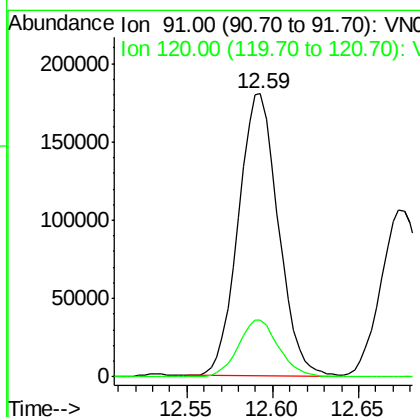
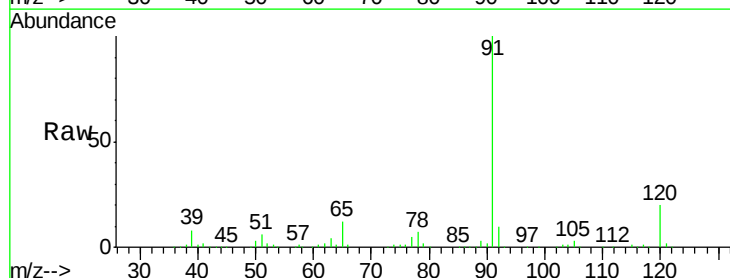
Manual Integrations
APPROVED

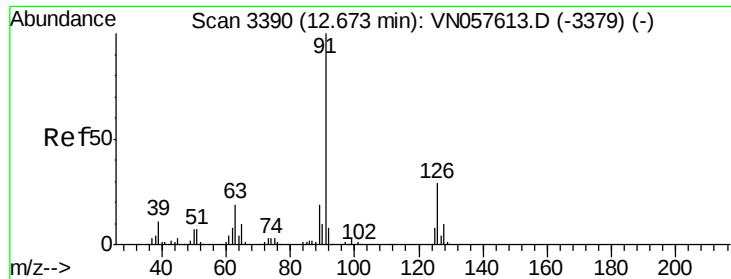
MMDadoda
9/3/2019 11:02:54 AM



#78
n-propylbenzene
Concen: 21.778 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.4	10.4	31.4	





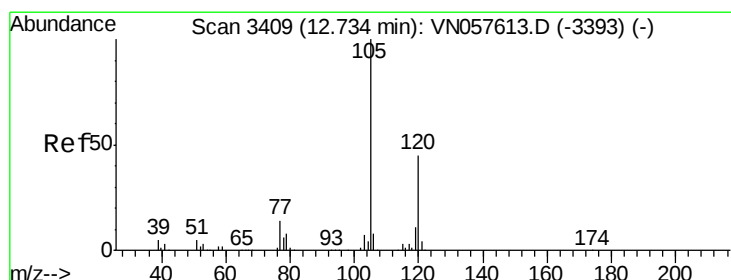
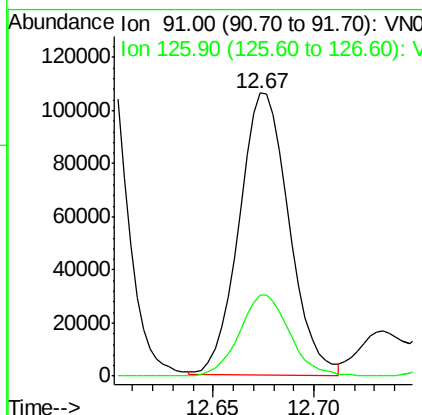
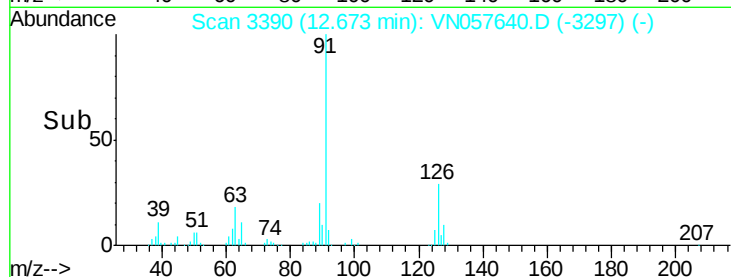
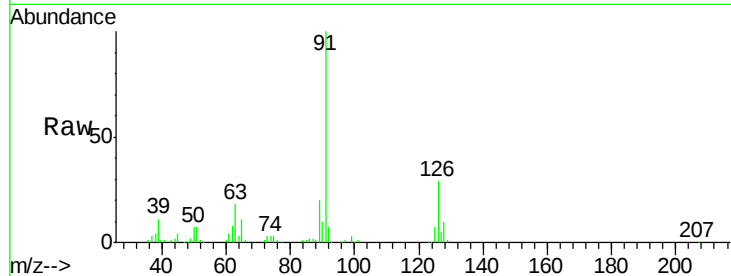
#79
 2-Chlorotoluene
 Concen: 22.064 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.9	44.5

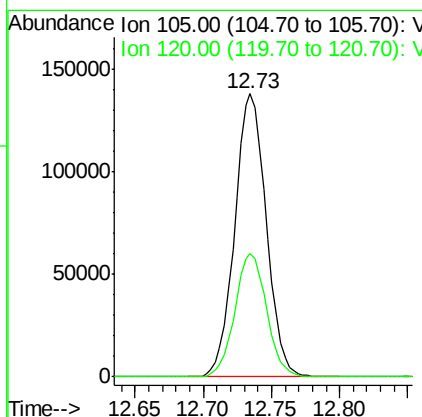
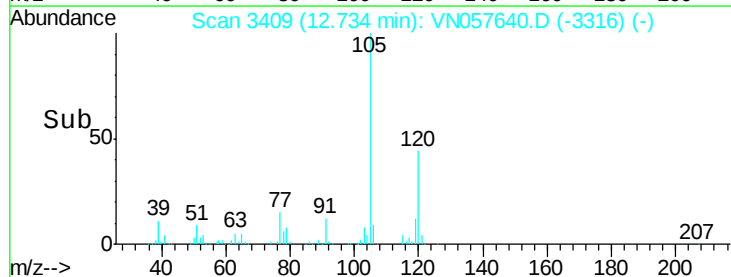
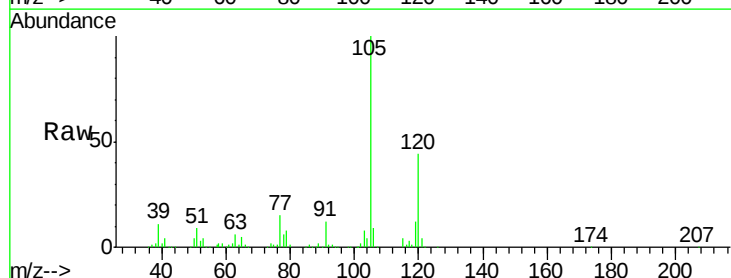
Manual Integrations
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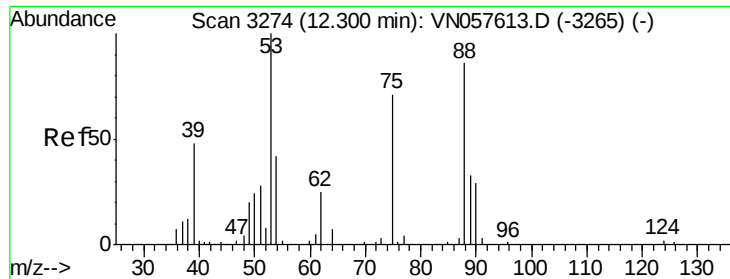
MMDadoda
 9/3/2019 11:02:54 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.353 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.6	67.8





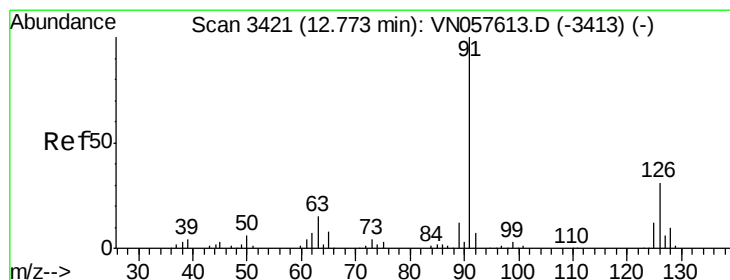
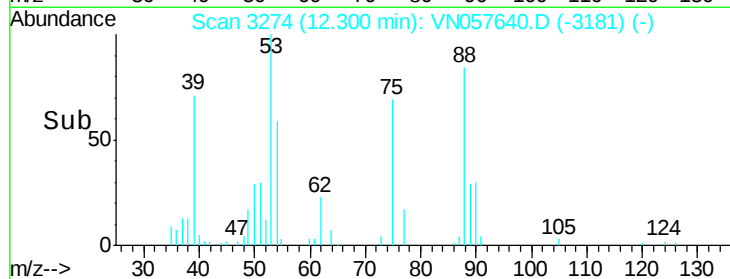
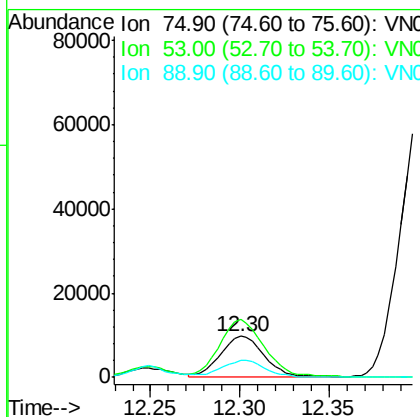
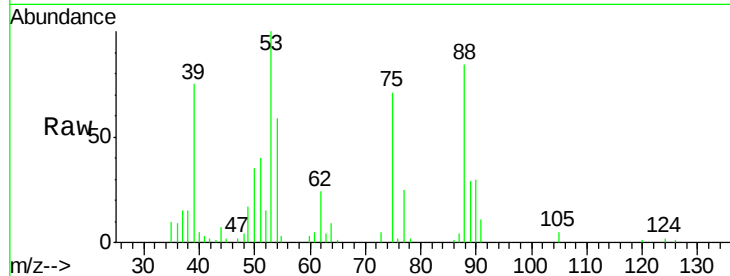
#81
trans-1,4-Dichloro-2-butene
Concen: 18.586 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	136.6	111.0	166.6
89	40.4	38.3	57.5

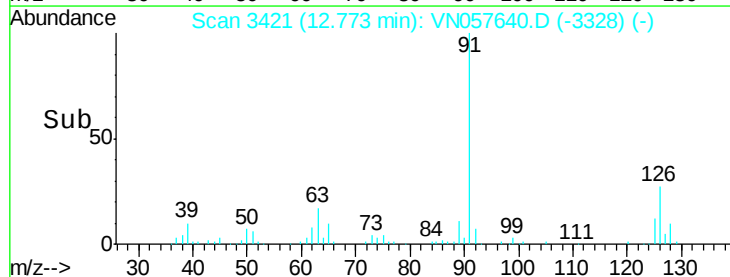
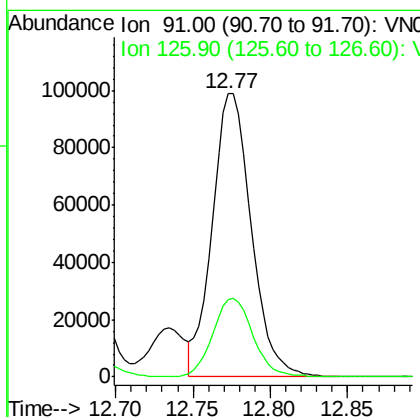
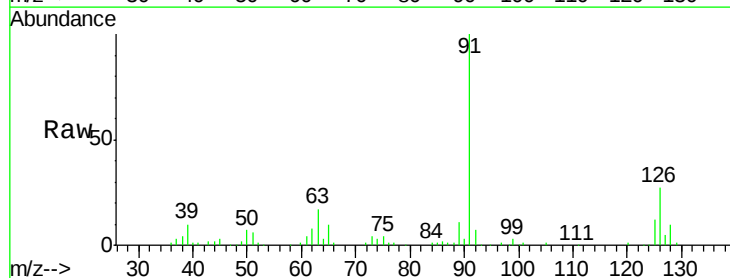
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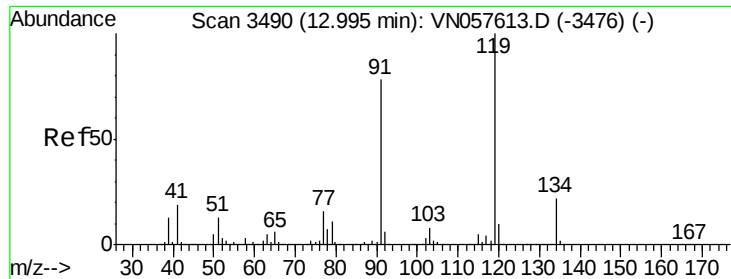
MMDadoda
9/3/2019 11:02:54 AM



#82
4-Chlorotoluene
Concen: 21.121 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.4	43.2





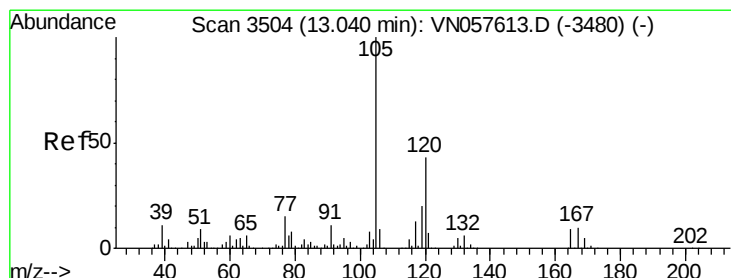
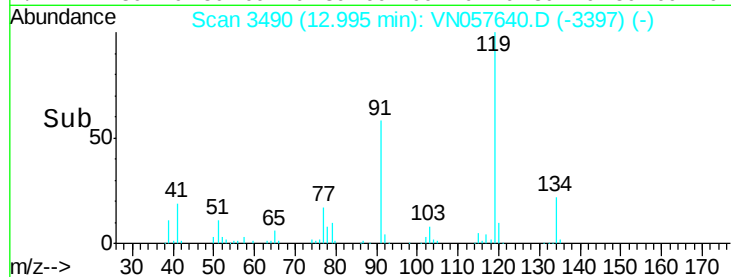
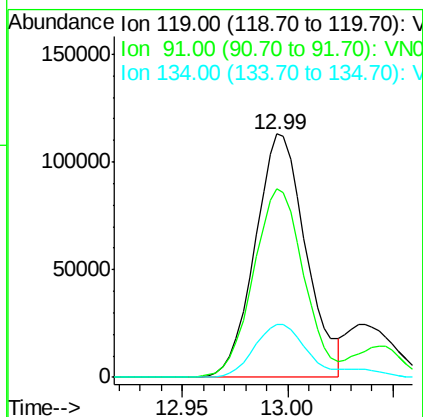
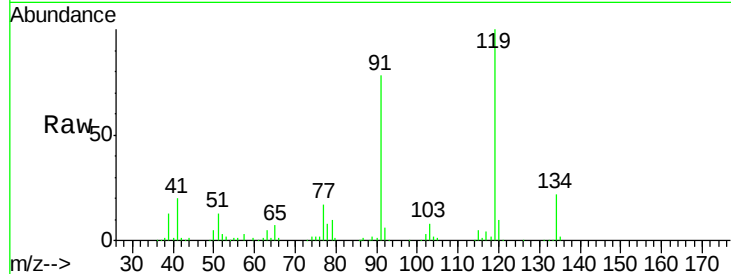
#83
tert-Butylbenzene
Concen: 22.654 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	189559		
91	76.9	38.3	114.9	
134	24.6	11.3	33.8	

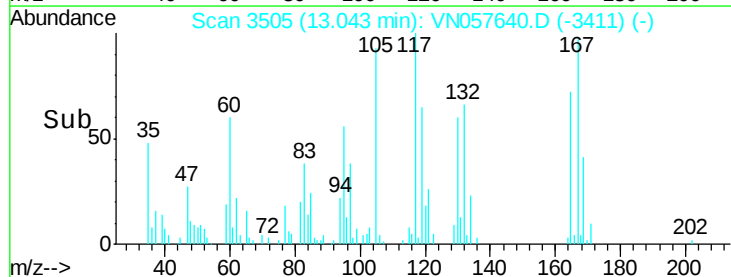
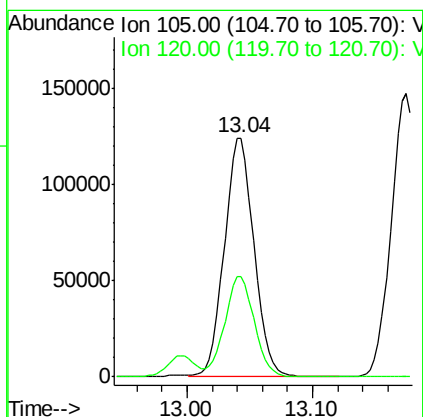
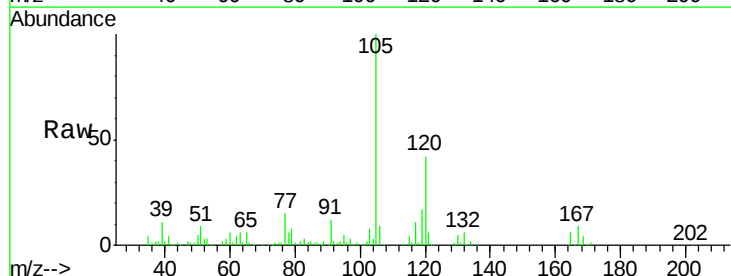
Manual Integrations
APPROVED

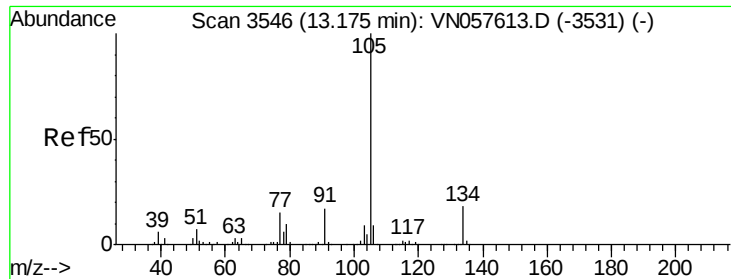
MMDadoda
9/3/2019 11:02:54 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.462 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204758		
120	41.9	20.8	62.5	





#85

sec-Butylbenzene

Concen: 21.014 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tot Ion:105 Resp: 236509

Ion Ratio Lower Upper

105 100

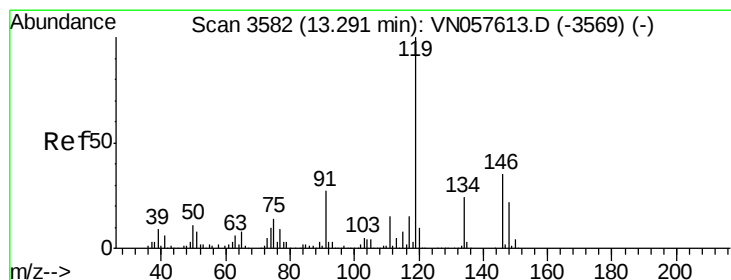
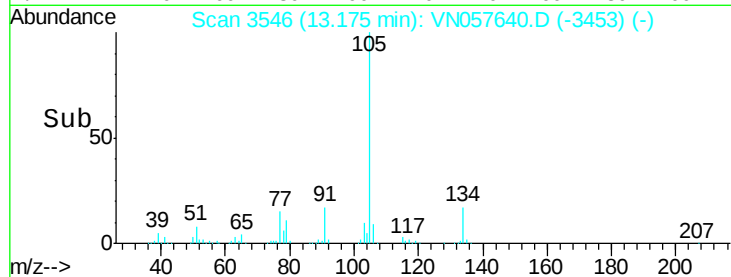
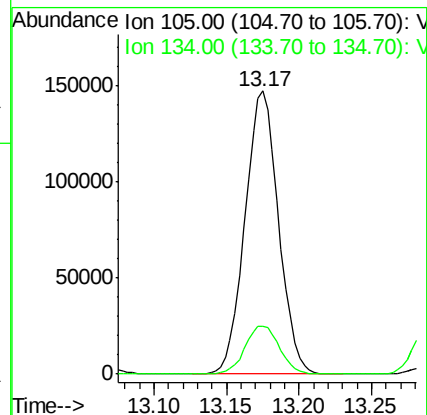
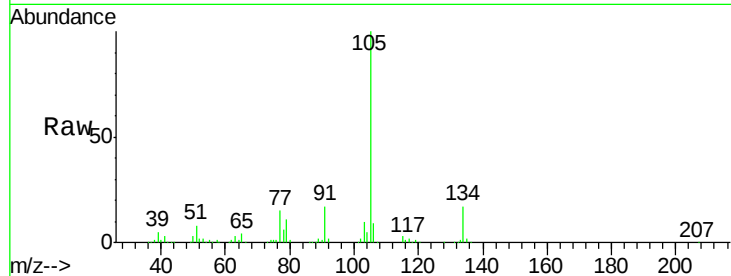
134 17.5 8.9 26.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.428 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

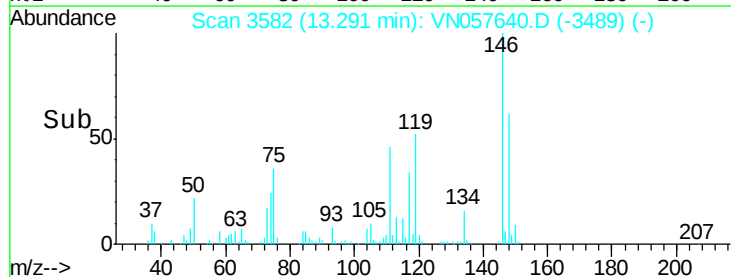
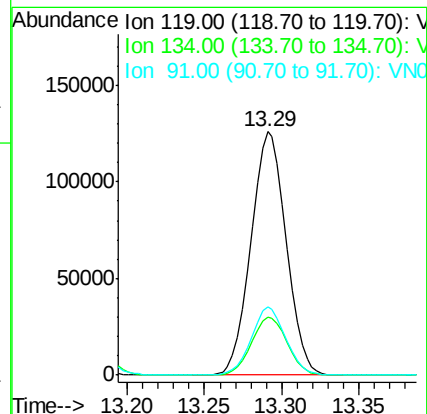
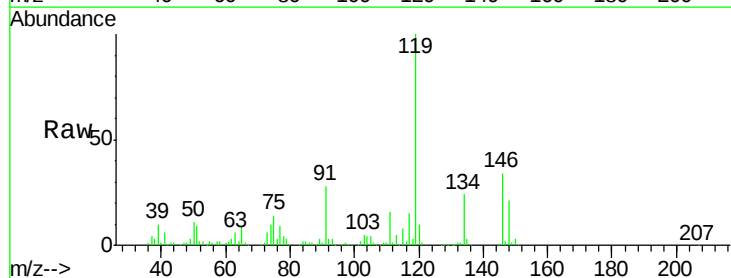
Tgt Ion:119 Resp: 199449

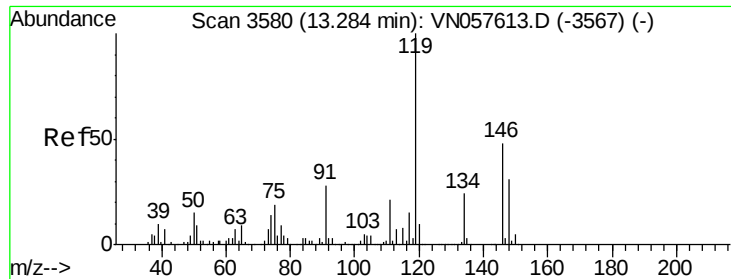
Ion Ratio Lower Upper

119 100

134 24.3 11.9 35.5

91 27.6 13.7 41.0





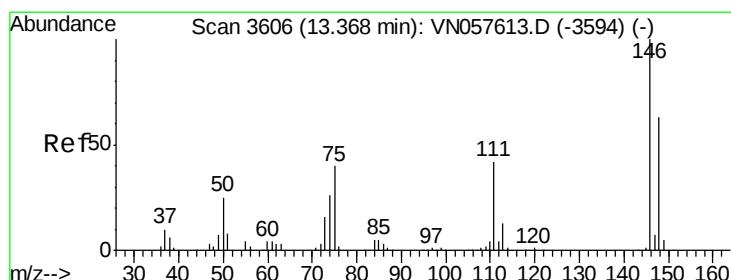
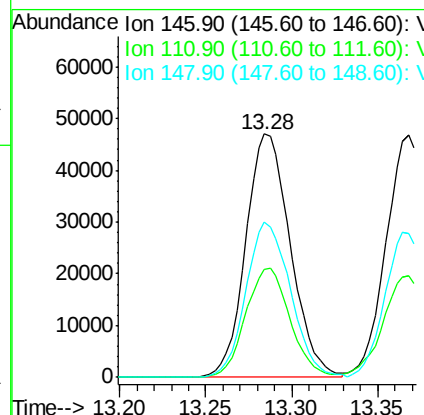
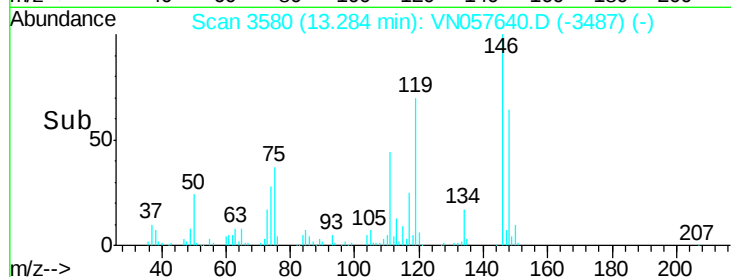
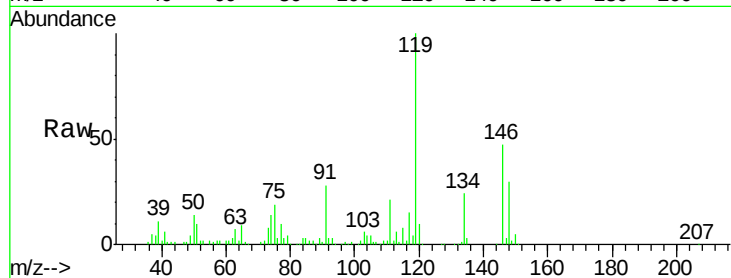
#87
 1,3-Dichlorobenzene
 Concen: 20.386 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.8	65.3
148	63.8	31.4	94.2

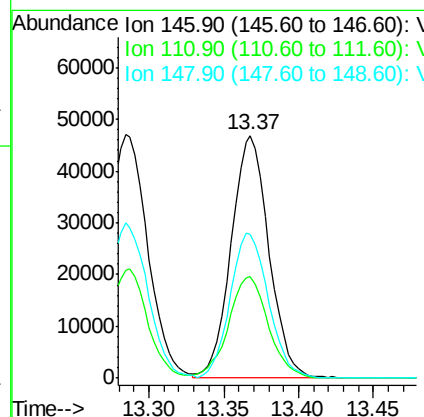
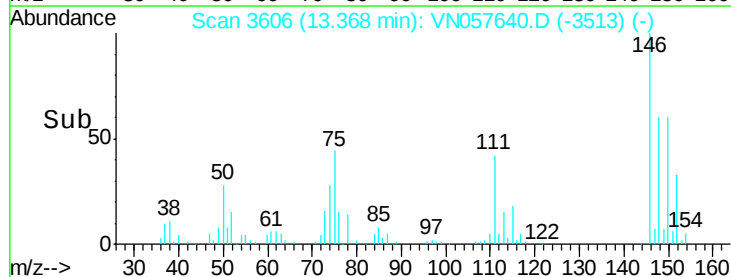
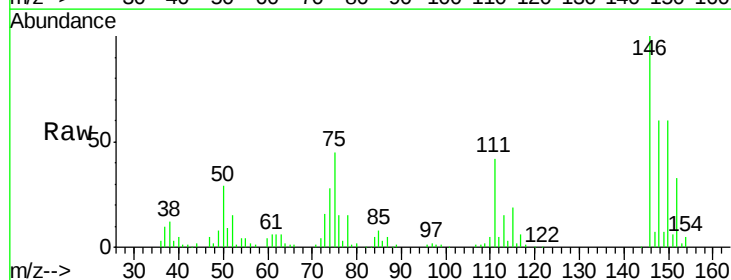
Manual Integrations
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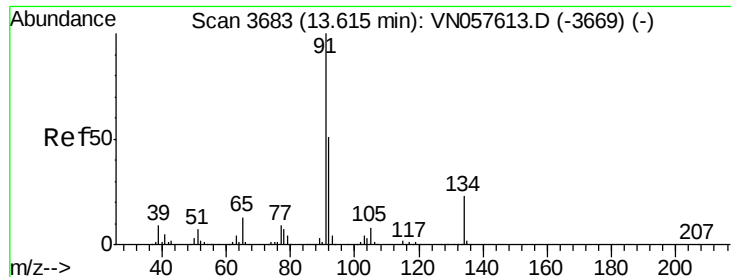
MMDadoda
 9/3/2019 11:02:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.507 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.6	65.0
148	60.7	32.2	96.6





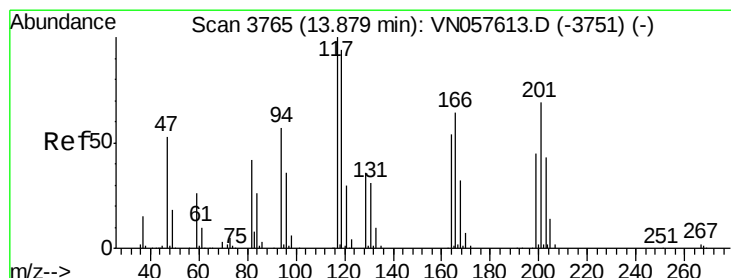
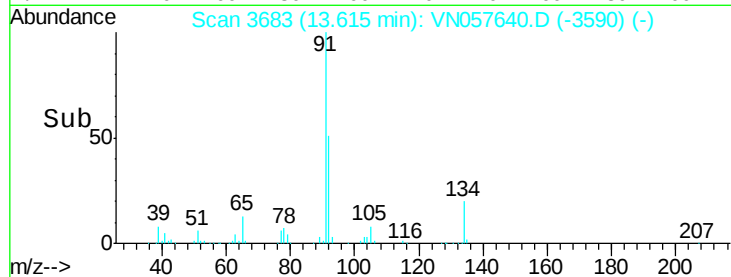
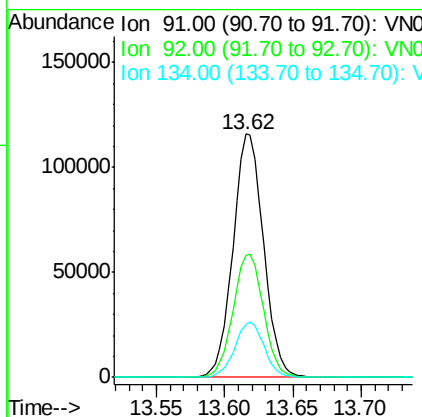
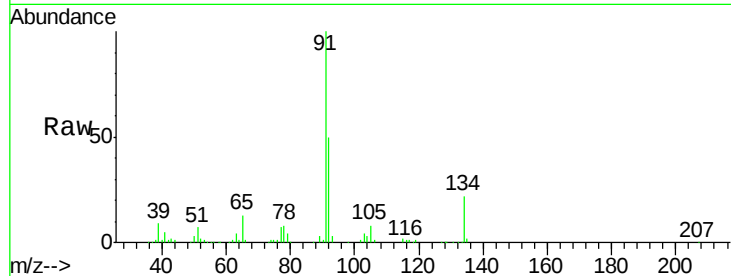
#89
n-Butylbenzene
Concen: 20.647 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	180095		
92	50.4		25.4	76.0
134	21.8		11.0	33.0

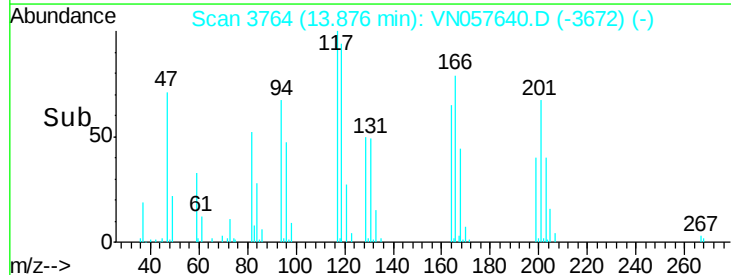
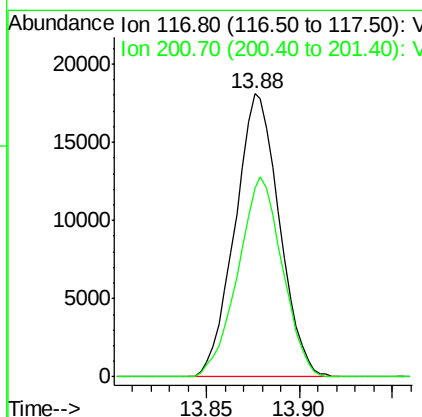
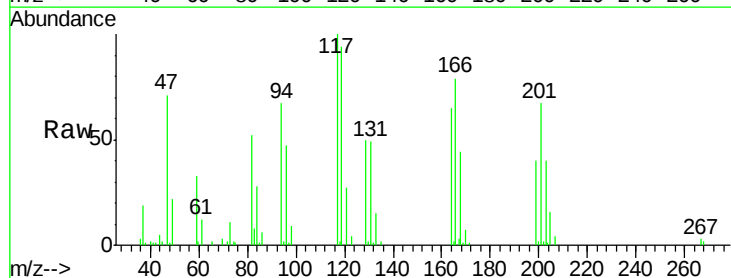
Manual Integrations
APPROVED

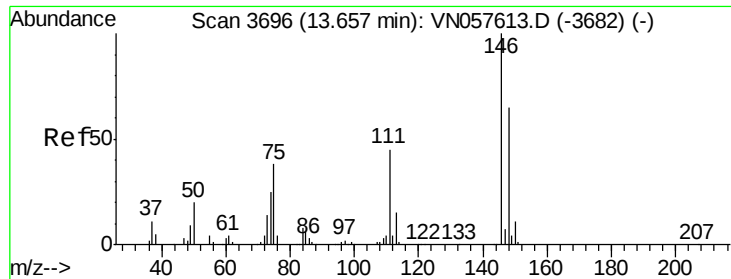
MMDadoda
9/3/2019 11:02:54 AM



#90
Hexachloroethane
Concen: 18.575 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30016		
201	70.5		34.4	103.2





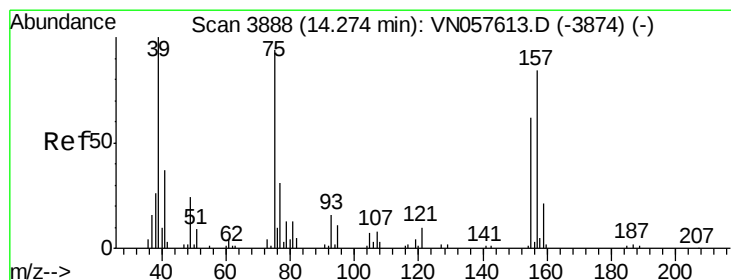
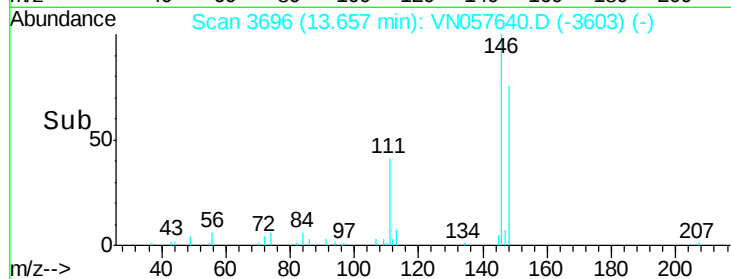
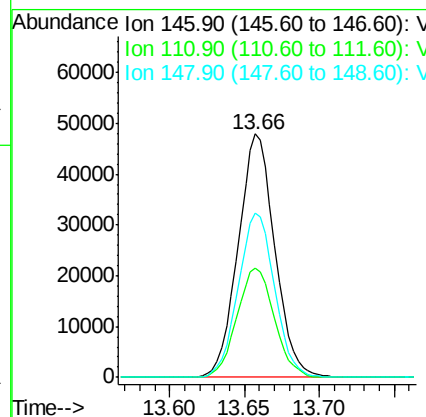
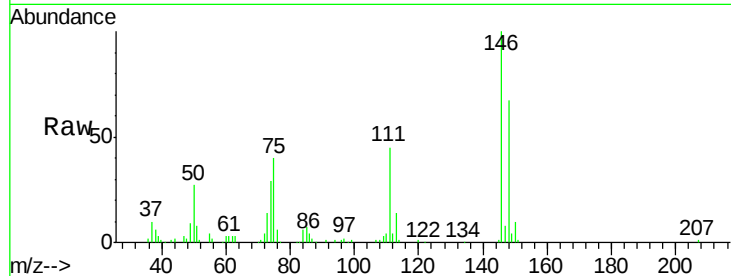
#91
 1,2-Dichlorobenzene
 Concen: 20.580 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.1	66.5
148	67.1	31.6	94.7

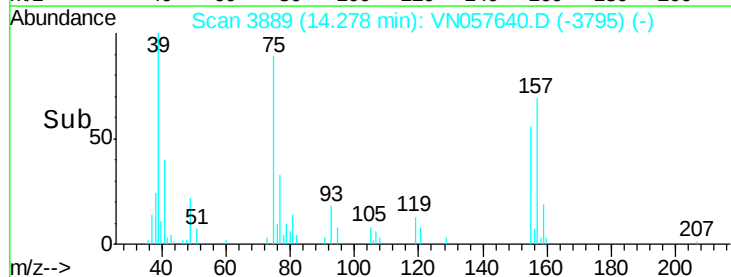
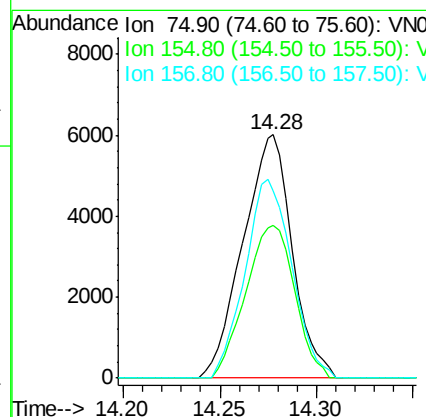
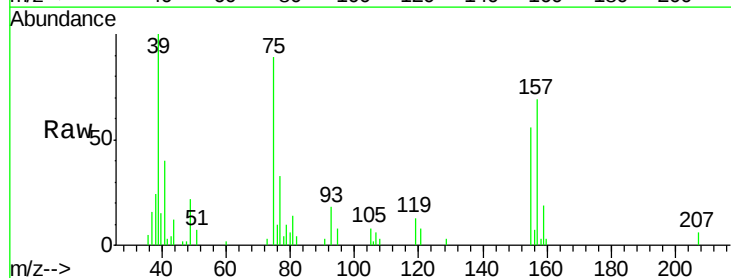
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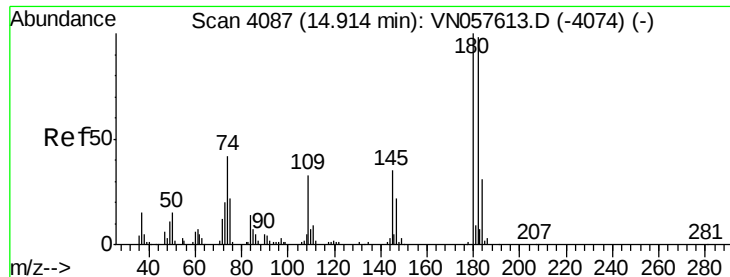
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.539 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.4	30.1	90.5
157	77.8	41.4	124.4





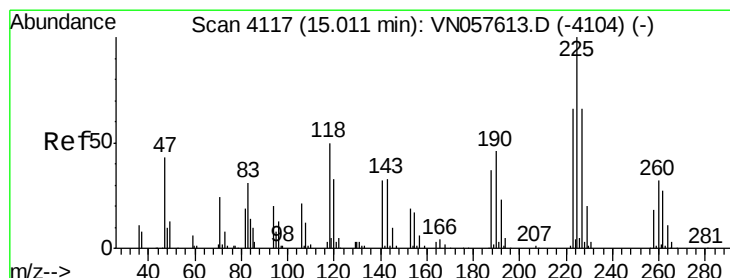
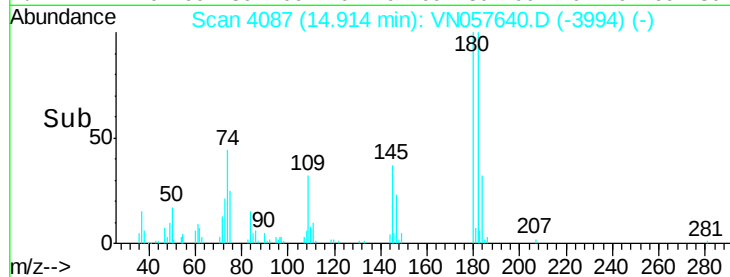
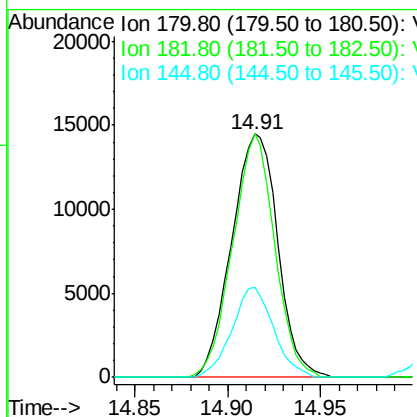
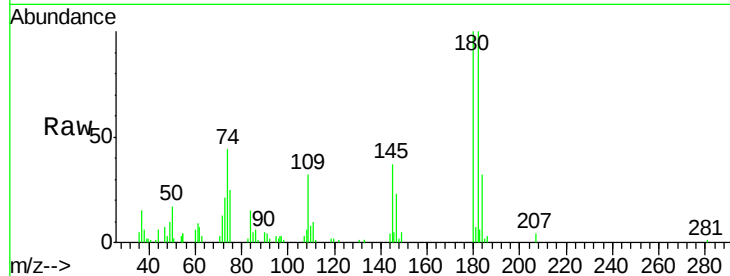
#93
 1,2,4-Trichlorobenzene
 Concen: 20.366 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	24911		
182	91.2	47.8	143.3	
145	33.7	16.9	50.7	

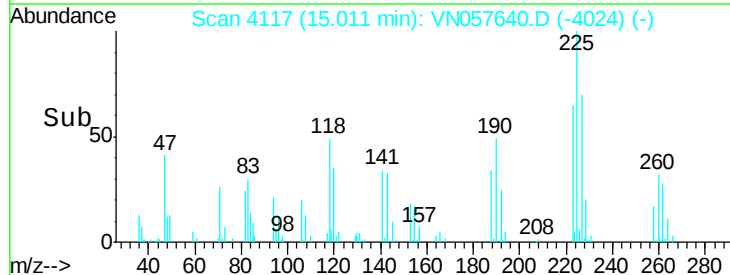
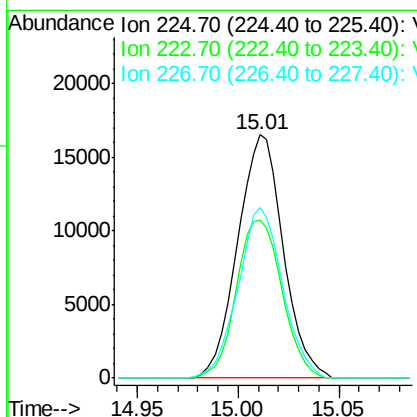
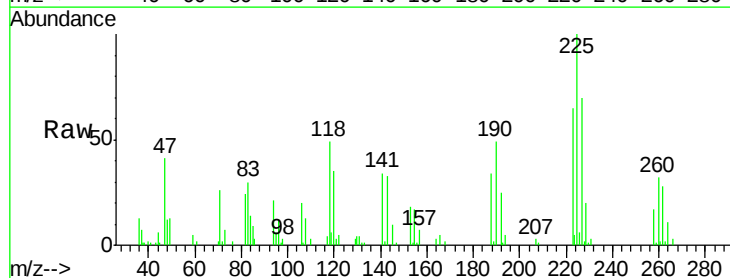
Manual Integrations
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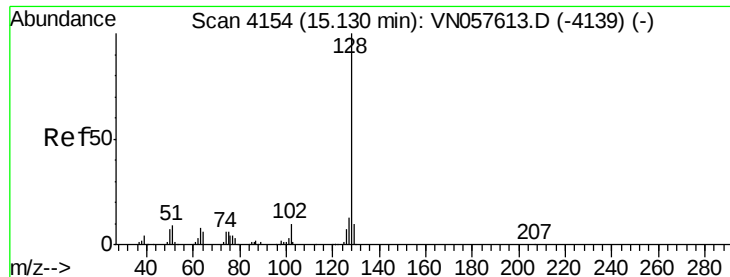
MMDadoda
 9/3/2019 11:02:54 AM



#94
 Hexachlorobutadiene
 Concen: 19.200 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26132		
223	65.0	32.3	96.8	
227	68.8	32.4	97.2	





#95

Naphthalene

Concen: 20.064 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

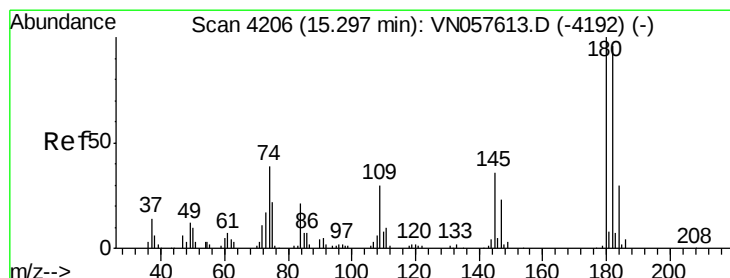
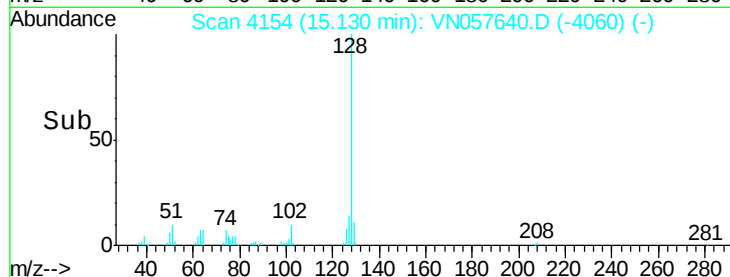
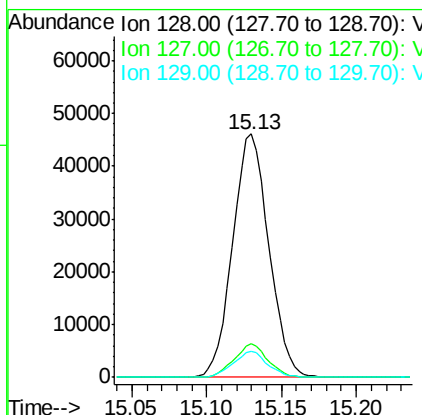
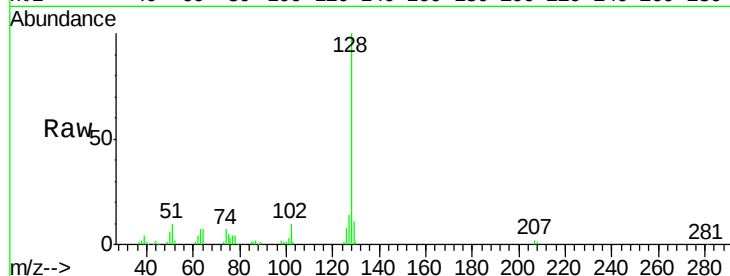
ClientSampleId :

VN0902WBS01

Tot Ion:	128	Resp:	77677
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.1	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.115 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion:	180	Resp:	25182
Ion Ratio	Lower	Upper	
180	100		
182	94.6	46.3	138.9
145	33.7	17.8	53.3

