

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058561.D
 Acq On : 7 Oct 2019 12:56
 Operator : JC/SP
 Sample : VN1007WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1007WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:50:20 AM

Quant Time: Oct 08 14:51:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	80778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	464273	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	418332	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	213701	29.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.77%
60) 4-Bromofluorobenzene	12.41	95	215342	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	595292	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99195	20.420 ug/l	98
3) Chloromethane	2.04	50	135965	24.241 ug/l	100
4) Vinyl Chloride	2.17	62	121070	21.632 ug/l	98
5) Bromomethane	2.54	94	59529	19.588 ug/l	98
6) Chloroethane	2.68	64	75361	22.784 ug/l	93
7) Trichlorofluoromethane	3.00	101	151097	22.929 ug/l	99
8) Diethyl Ether	3.39	74	58883	20.100 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	92027	20.287 ug/l	99
10) 1,1-Dichloroethene	3.71	96	87799	19.799 ug/l	94
11) Methyl Iodide	3.93	142	76958	16.926 ug/l	97
12) Methyl Acetate	4.30	43	118588	20.079 ug/l	100
13) Acrolein	3.58	56	35928	213.927 ug/l	98
14) Acrylonitrile	4.96	53	239121	98.053 ug/l	99
15) Acetone	3.79	58	73463	108.643 ug/l	97
16) Carbon Disulfide	4.03	76	245300	19.905 ug/l	100
17) Allyl chloride	4.30	41	171113	20.658 ug/l	99
18) Methylene Chloride	4.53	84	107701	20.588 ug/l	94
19) trans-1,2-Dichloroethene	5.01	96	97349	19.581 ug/l	97
20) Diisopropyl ether	5.93	45	360721	20.438 ug/l	97
21) 1,1-Dichloroethane	5.82	63	205342	20.791 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	116116	20.108 ug/l	99
23) tert-Butyl Alcohol	4.76	59	82297	91.414 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	326379	20.504 ug/l #	78
25) Chloroform	7.36	83	201321	20.131 ug/l	99
26) Cyclohexane	7.63	56	172204	18.655 ug/l	99
29) 1,1-Dichloropropene	7.78	75	149677	19.750 ug/l	98
30) 2-Butanone	6.82	43	335415	97.474 ug/l	99
31) 2,2-Dichloropropane	6.80	77	183466	23.515 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	176525	21.596 ug/l	99
33) Carbon Tetrachloride	7.76	117	146635	21.115 ug/l	96
34) Benzene	8.03	78	441117	20.519 ug/l	99
35) Methacrylonitrile	7.16	41	65249	22.046 ug/l	93
36) 1,2-Dichloroethane	8.11	62	168946	20.061 ug/l	99
37) Trichloroethene	8.82	130	107807	20.031 ug/l	97
38) Methylcyclohexane	9.07	83	168205	18.355 ug/l	99
39) 1,2-Dichloropropane	9.11	63	119578	20.392 ug/l	95
40) Dibromomethane	9.20	93	74789	20.207 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	153714	21.012	ug/l	96
42) Vinyl Acetate	5.87	43	1474467	112.224	ug/l	99
43) Ethyl Acetate	6.91	43	139079	20.356	ug/l	100
44) Isopropyl Acetate	8.15	43	239485	19.581	ug/l	97
45) 1,4-Dioxane	9.19	88	34389	333.293	ug/l	95
46) Methyl methacrylate	9.19	41	109585	18.906	ug/l	94
47) n-amyl Acetate	12.07	43	207545	19.495	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	172352	21.562	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	186633	20.970	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	106946	20.676	ug/l	97
51) Ethyl methacrylate	10.43	69	154933	18.932	ug/l	98
52) 1,3-Dichloropropane	10.71	76	186381	20.289	ug/l	98
53) Dibromochloromethane	10.90	129	107321	20.653	ug/l	99
54) 1,2-Dibromoethane	11.00	107	104431	19.784	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	373929	107.908	ug/l	100
56) Bromoform	12.13	173	68109	20.780	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	687616	104.903	ug/l	100
59) 2-Hexanone	10.75	43	495410	99.975	ug/l	100
61) Tetrachloroethene	10.63	164	94581	21.581	ug/l	98
62) Toluene	10.15	91	475610	20.759	ug/l	100
64) Chlorobenzene	11.44	112	281385	19.986	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	104179	21.107	ug/l	99
66) Ethyl Benzene	11.51	91	524333	20.988	ug/l	99
67) m/p-Xylenes	11.62	106	379928	39.612	ug/l	99
68) o-Xylene	11.95	106	184514	19.784	ug/l	99
69) Styrene	11.97	104	293314	18.807	ug/l	99
70) Isopropylbenzene	12.25	105	499172	20.654	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	152692	19.878	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	137135m	20.759	ug/l	
73) Bromobenzene	12.53	156	117204	20.021	ug/l	97
74) n-propylbenzene	12.60	91	594837	21.349	ug/l	99
75) 2-Chlorotoluene	12.68	91	349913	20.076	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	425128	20.428	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	42669	19.801	ug/l	92
78) 4-Chlorotoluene	12.78	91	355560	19.905	ug/l	100
79) tert-butylbenzene	13.00	119	350506	19.453	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	420119	20.225	ug/l	98
81) sec-Butylbenzene	13.18	105	476551	20.165	ug/l	100
82) p-Isopropyltoluene	13.30	119	425125	19.976	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	209648	19.411	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	205268	19.096	ug/l	99
85) n-Butylbenzene	13.62	91	385314	19.487	ug/l	100
86) Hexachloroethane	13.88	117	69860	20.323	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	204991	19.437	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	28730	19.163	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	117115	16.998	ug/l	98
90) Hexachlorobutadiene	15.02	225	57463	17.236	ug/l	98
91) Naphthalene	15.13	128	328510	17.362	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	113238	17.112	ug/l	98

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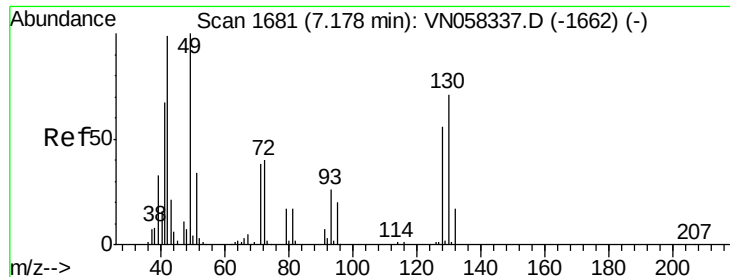
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion:128 Resp: 80778

Ion Ratio Lower Upper

128 100

49 185.1 0.0 458.5

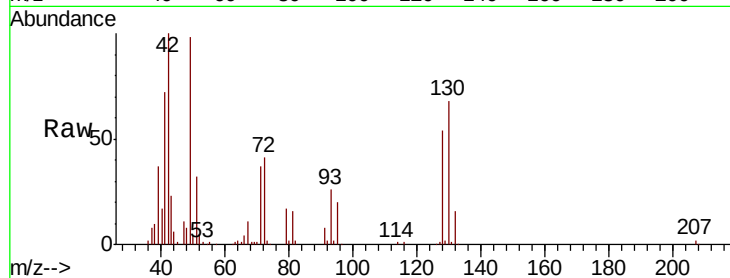
130 127.1 0.0 320.7

Manual Integrations

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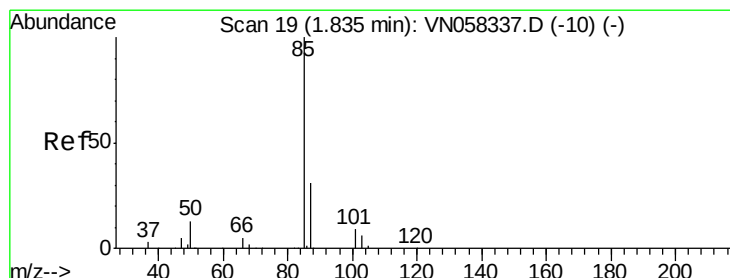
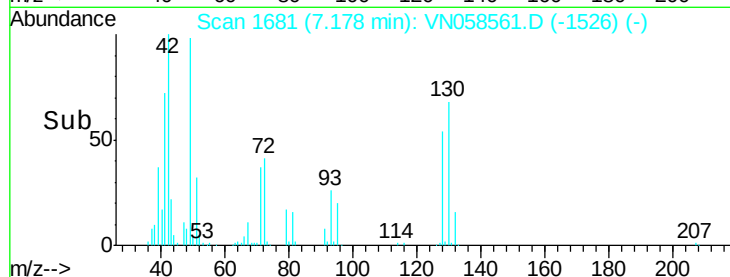
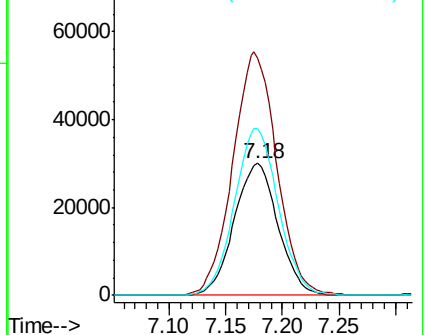
10/9/2019 10:50:20 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.420 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058561.D

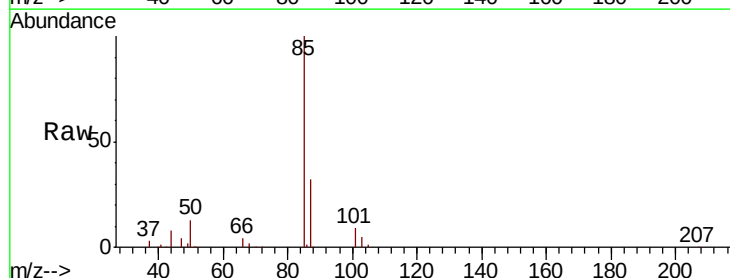
Acq: 7 Oct 2019 12:56

Tgt Ion: 85 Resp: 99195

Ion Ratio Lower Upper

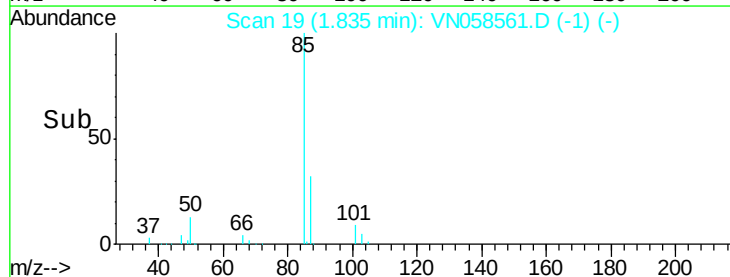
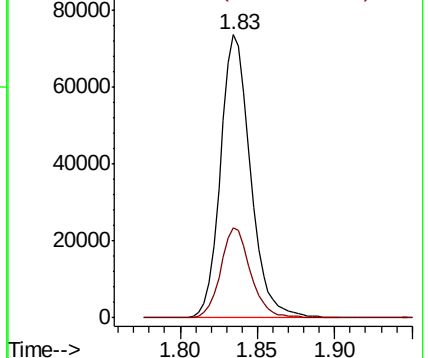
85 100

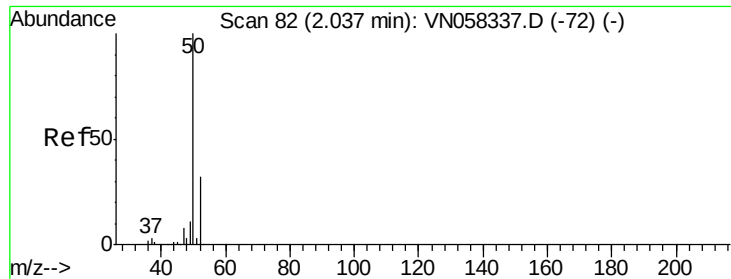
87 32.0 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 24.241 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

VN1007WBS01

Tot Ion: 50 Resp: 135965

Ion Ratio Lower Upper

50 100

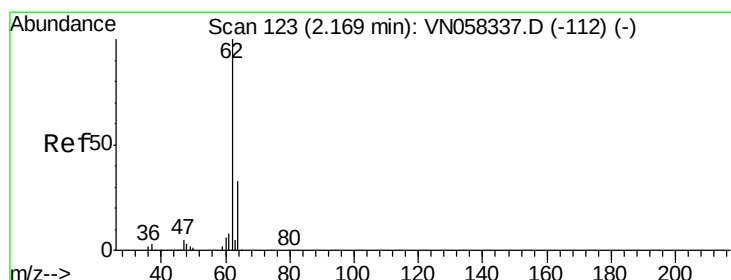
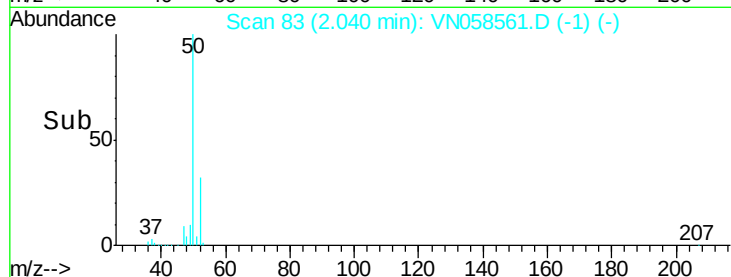
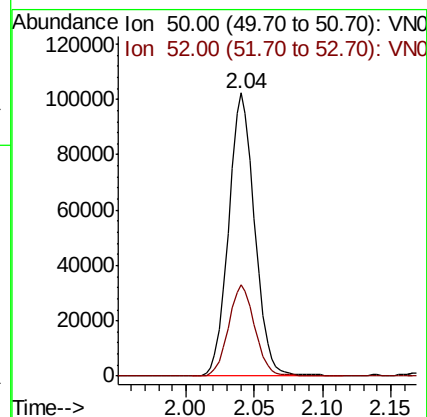
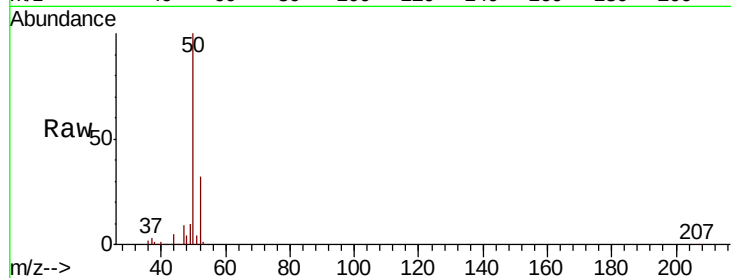
52 32.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.632 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058561.D

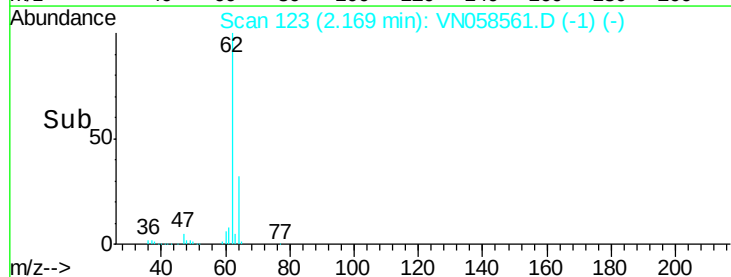
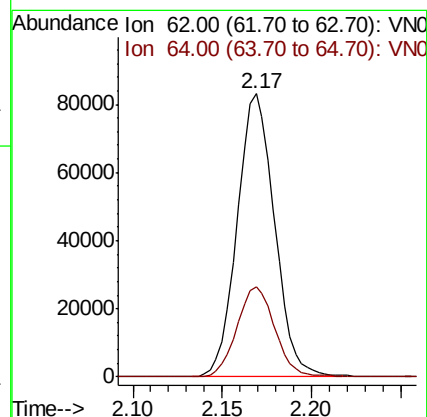
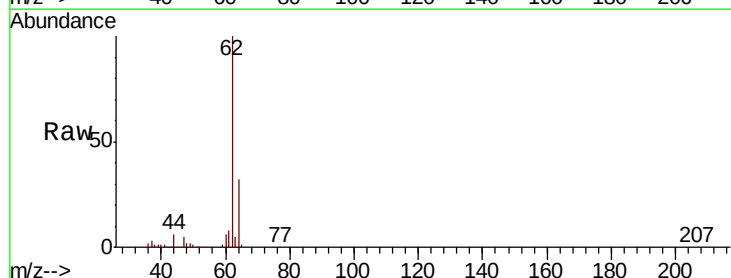
Acq: 7 Oct 2019 12:56

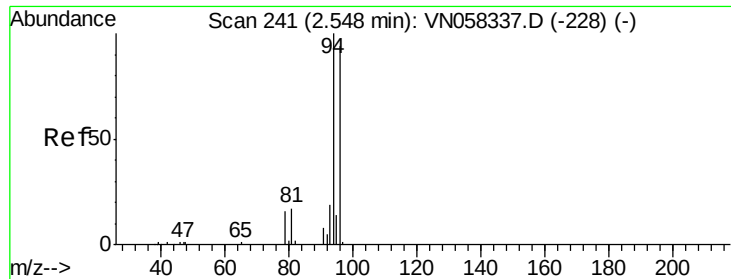
Tgt Ion: 62 Resp: 121070

Ion Ratio Lower Upper

62 100

64 31.9 26.6 40.0





#5

Bromomethane

Concen: 19.588 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion: 94 Resp: 59529

Ion Ratio Lower Upper

94 100

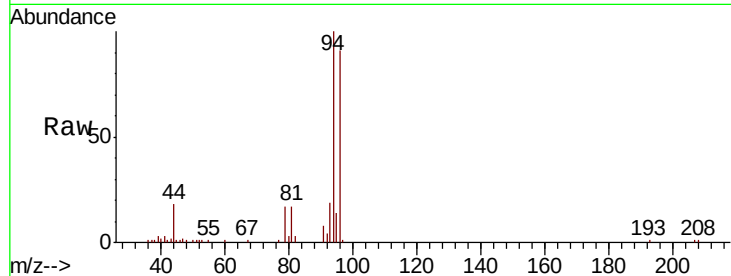
96 91.4 74.8 112.2

Manual Integrations

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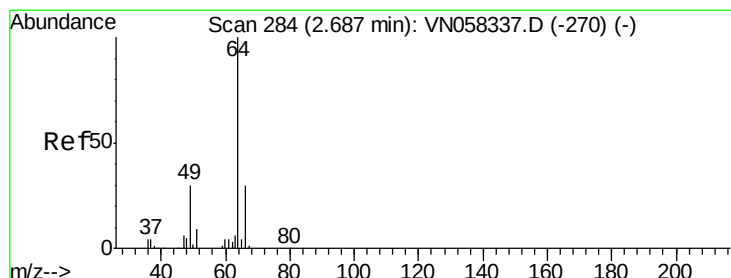
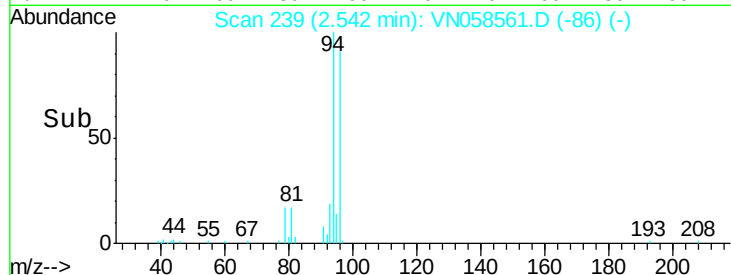
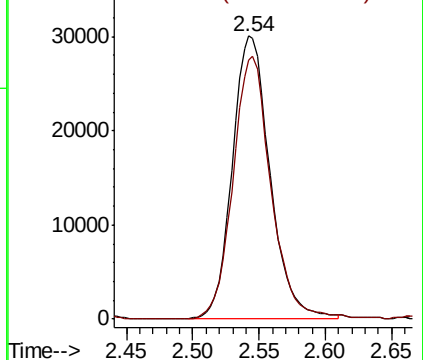
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 22.784 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058561.D

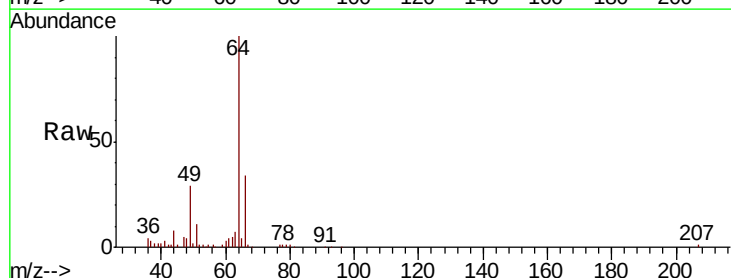
Acq: 7 Oct 2019 12:56

Tgt Ion: 64 Resp: 75361

Ion Ratio Lower Upper

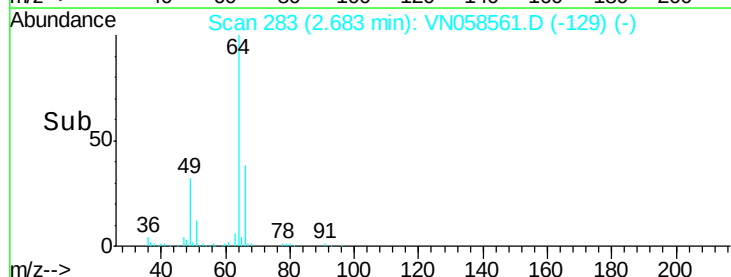
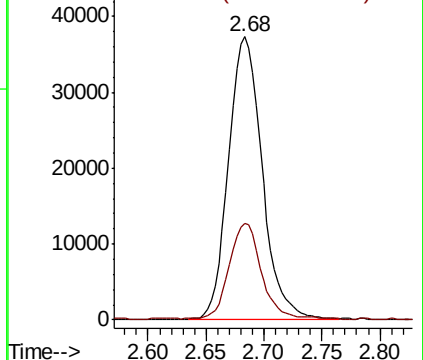
64 100

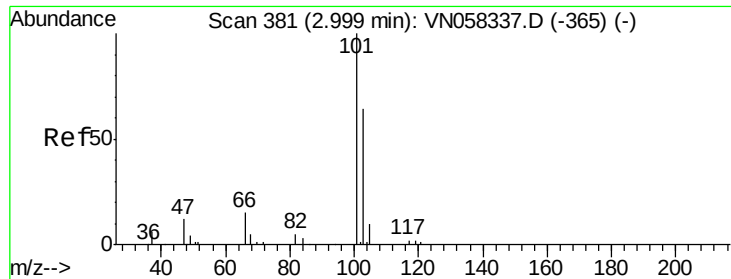
66 33.7 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

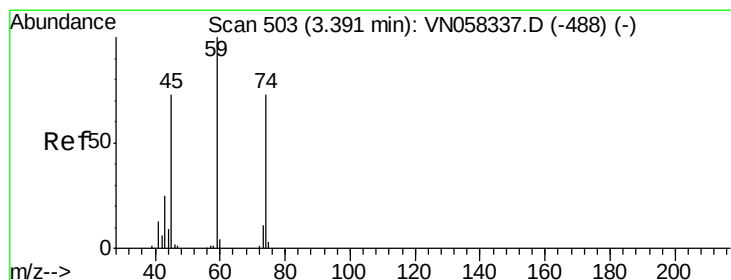
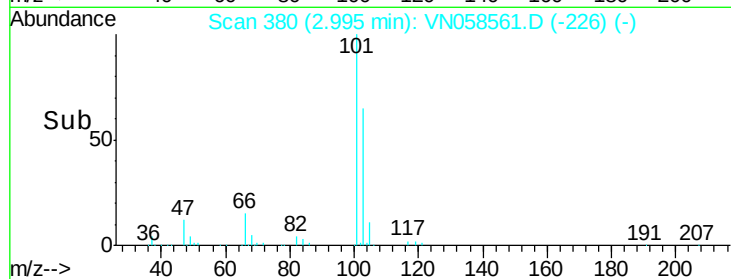
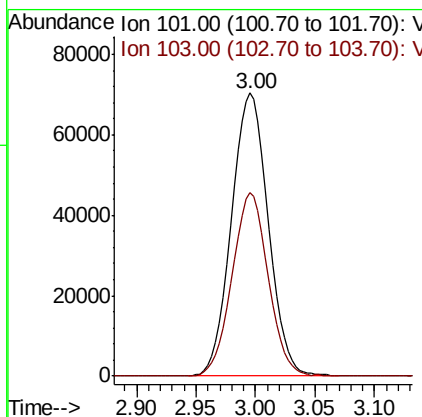
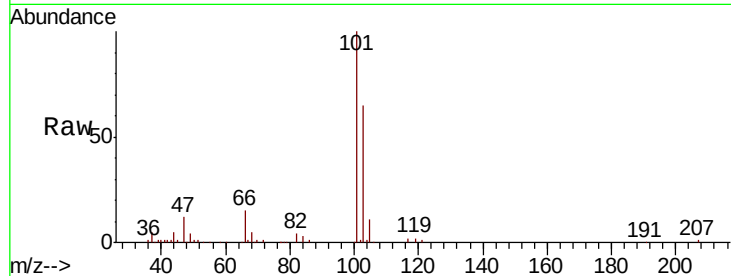
Trichlorofluoromethane
 Concen: 22.929 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
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 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.5	77.3

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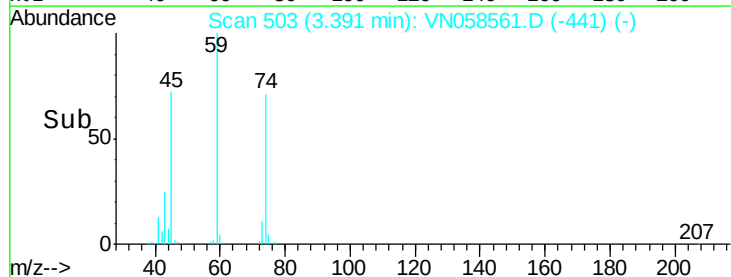
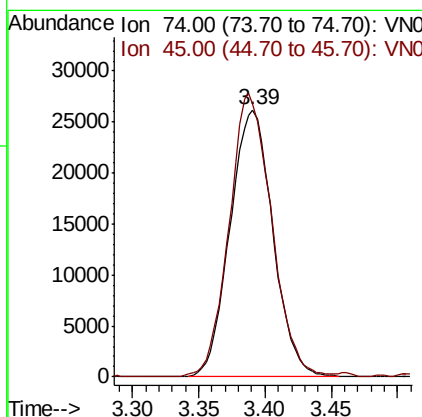
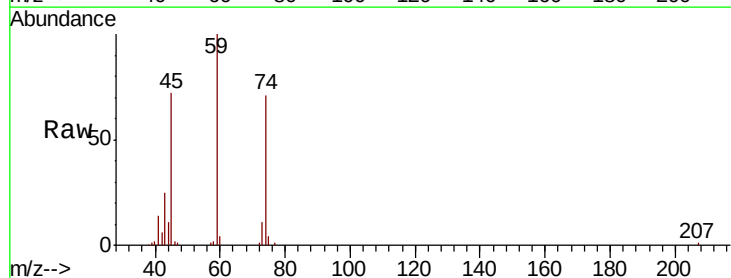
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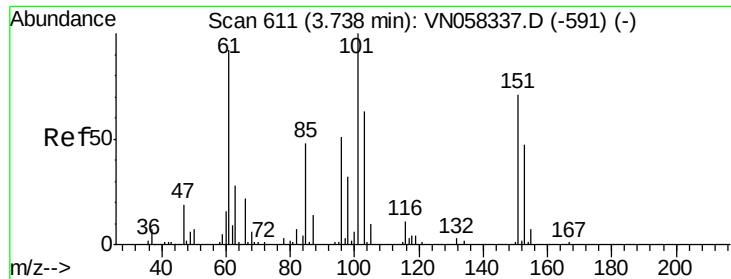


#8

Diethyl Ether
 Concen: 20.100 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	20.8	187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.287 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

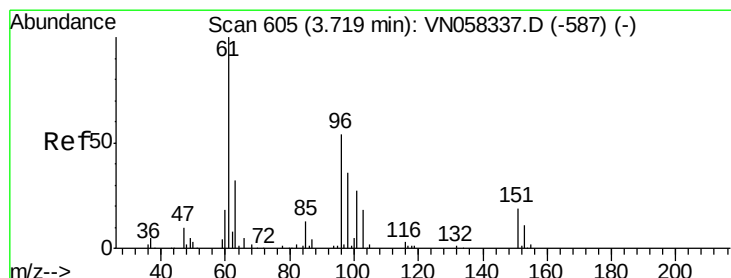
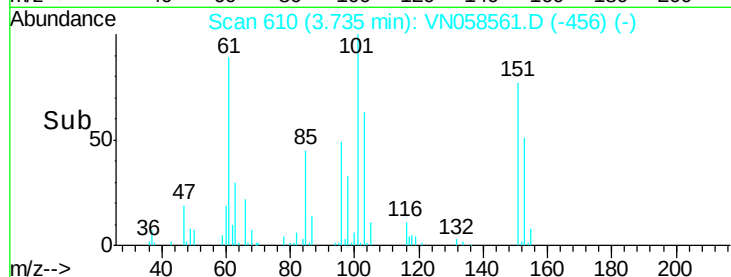
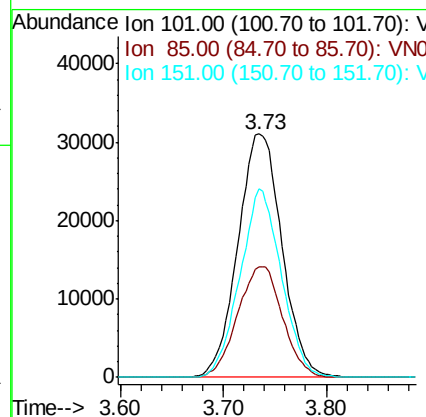
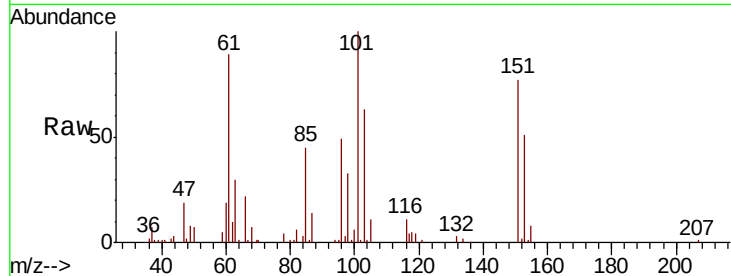
ClientSampleId :

VN1007WBS01

Tot Ion:	101	Resp:	92027
Ion Ratio	Lower	Upper	
101	100		
85	46.3	0.0	93.0
151	72.7	0.0	147.2

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10/9/2019 10:50:20 AM



#10

1,1-Dichloroethene

Concen: 19.799 ug/l

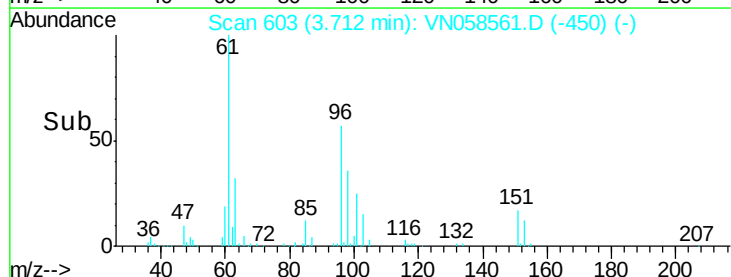
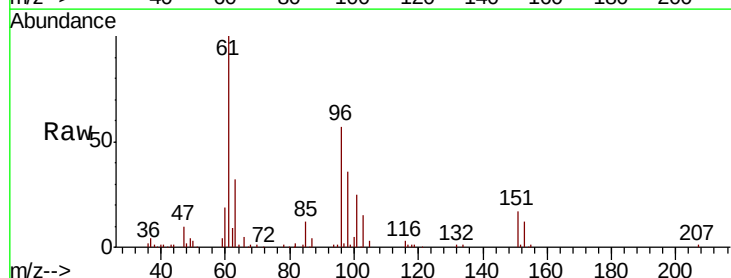
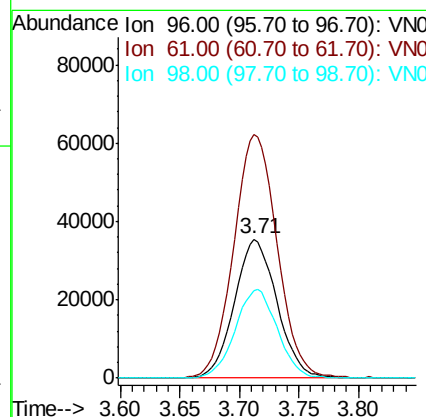
RT: 3.71 min Scan# 603

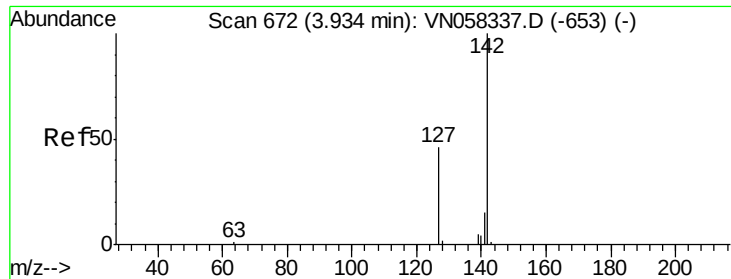
Delta R.T. -0.01 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:	96	Resp:	87799
Ion Ratio	Lower	Upper	
96	100		
61	173.9	146.9	220.3
98	62.5	52.3	78.5





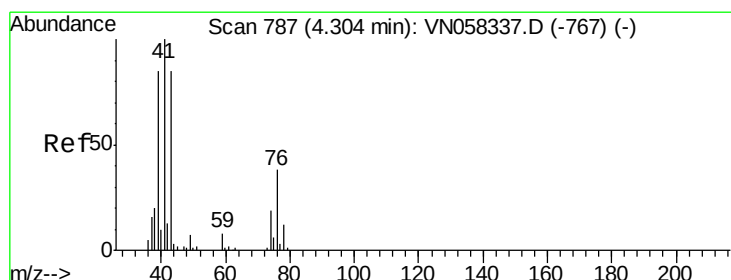
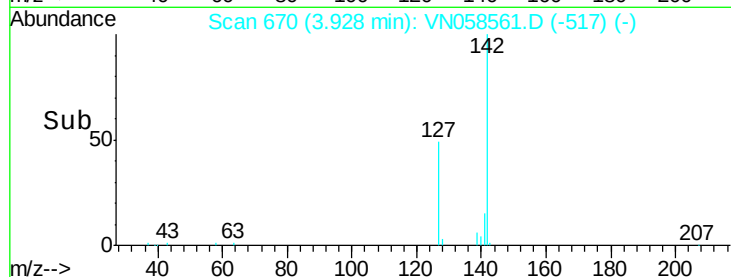
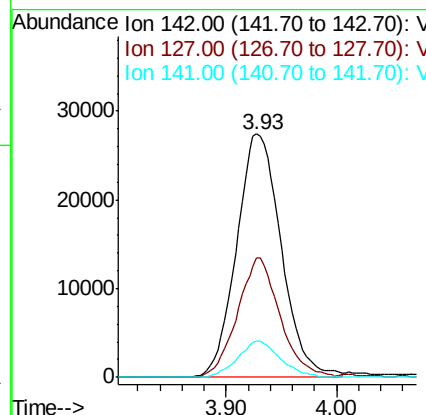
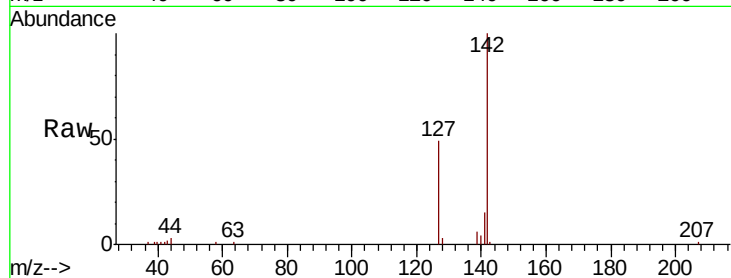
#11
Methvl Iodide
Concen: 16.926 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.01 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.7	22.9	68.7
141	15.1	7.4	22.3

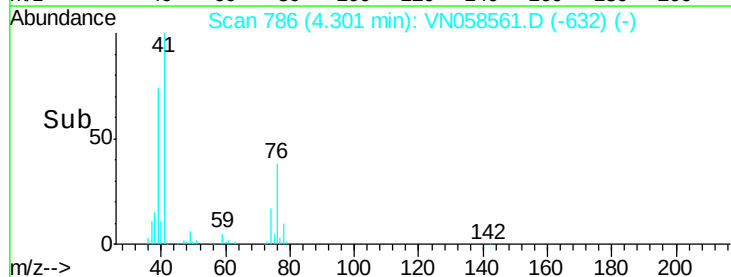
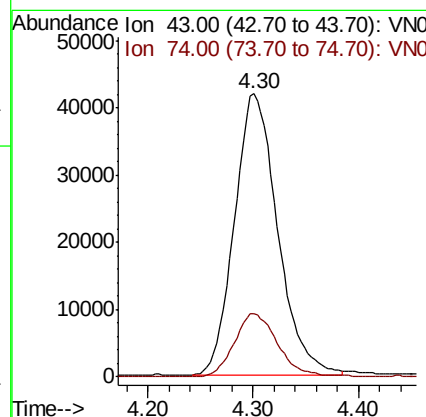
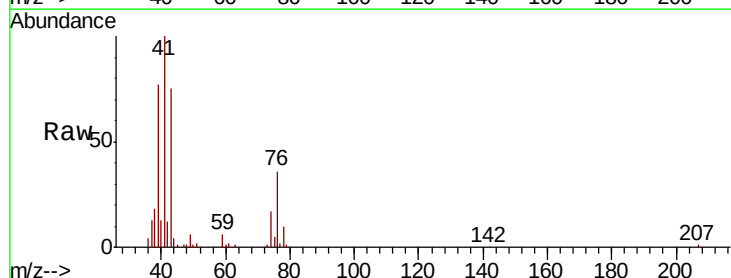
Manual Integrations
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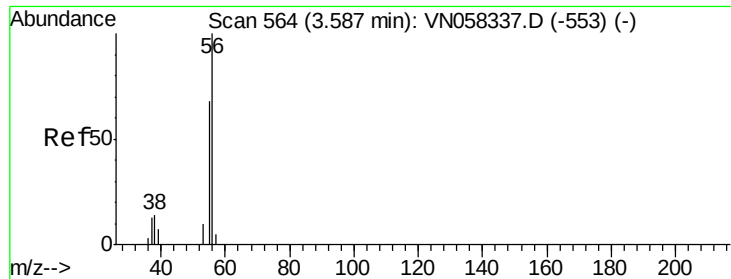
MMDadoda
10/9/2019 10:50:20 AM



#12
Methyl Acetate
Concen: 20.079 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.8	26.6





#13

Acrolein

Concen: 213.927 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion: 56 Resp: 35928

Ion Ratio Lower Upper

56 100

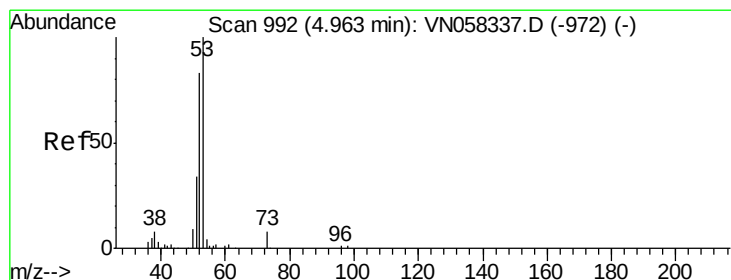
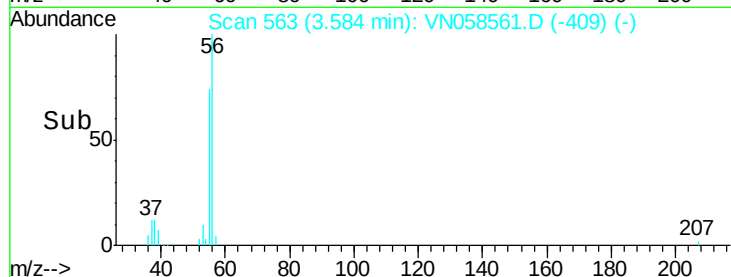
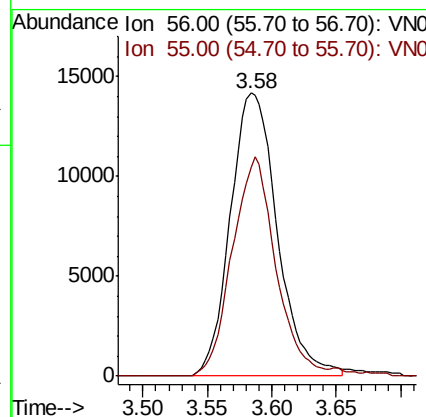
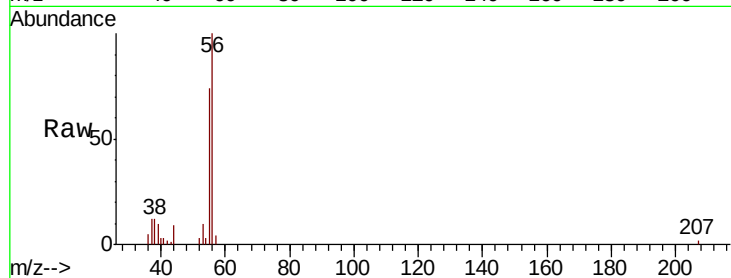
55 71.5 58.4 87.6

Manual Integrations

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#14

Acrylonitrile

Concen: 98.053 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

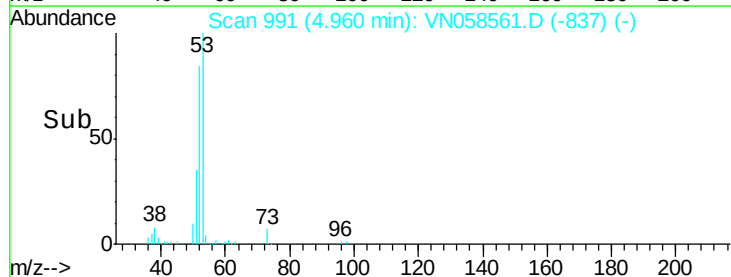
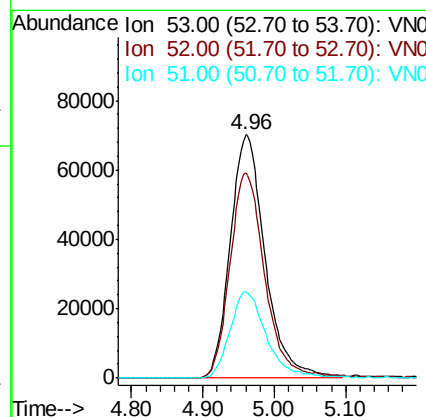
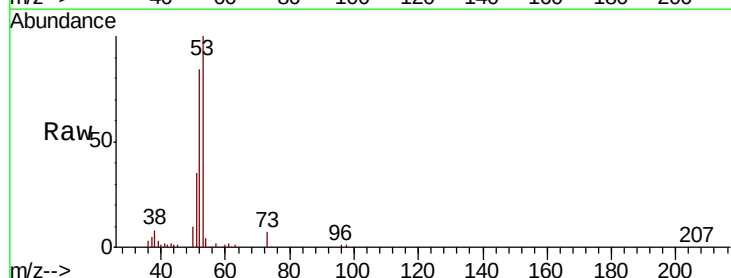
Tgt Ion: 53 Resp: 239121

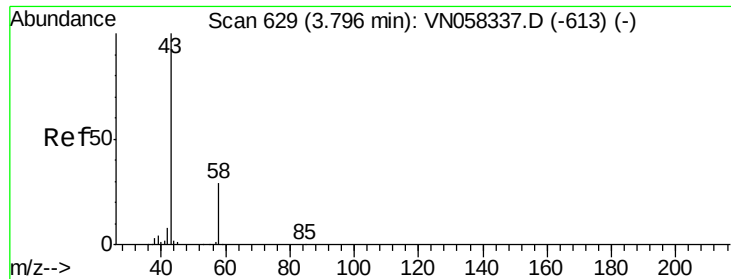
Ion Ratio Lower Upper

53 100

52 82.8 41.3 123.7

51 37.0 18.3 54.8





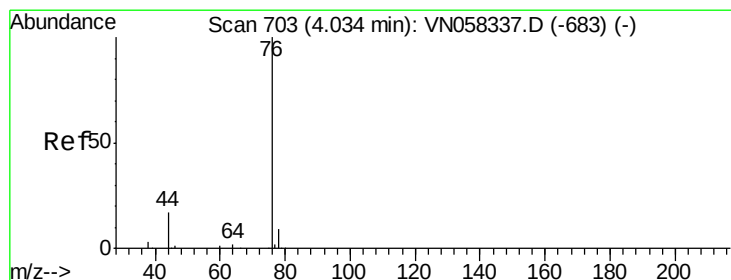
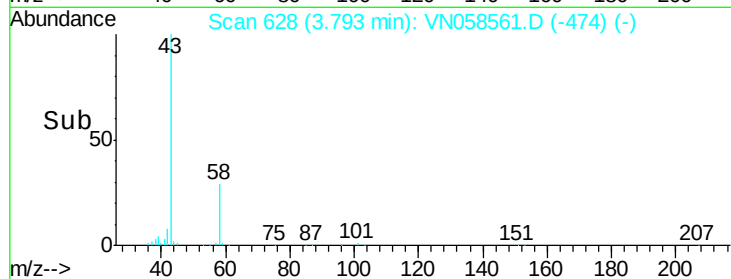
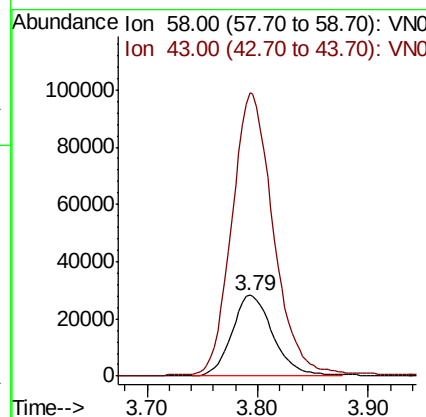
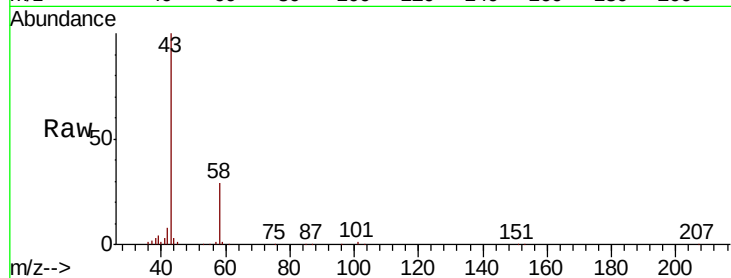
#15
Acetone
Concen: 108.643 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion: 58 Resp: 73463
Ion Ratio Lower Upper
58 100
43 347.8 272.6 409.0

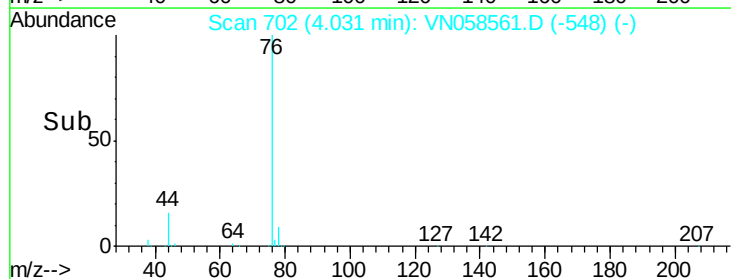
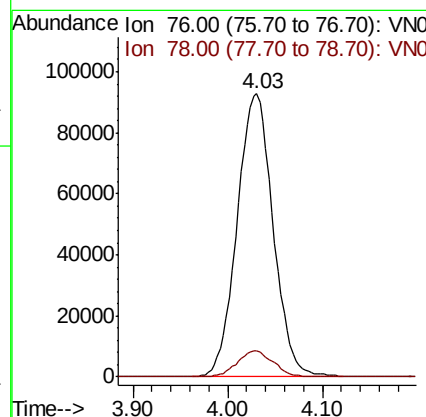
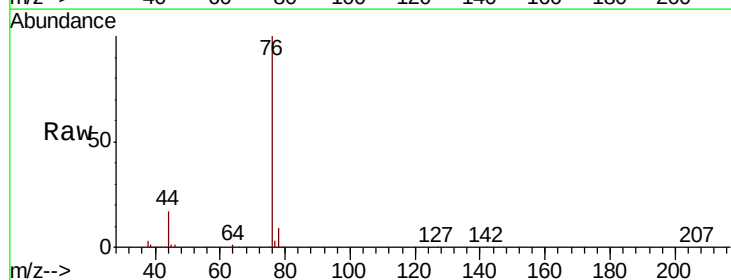
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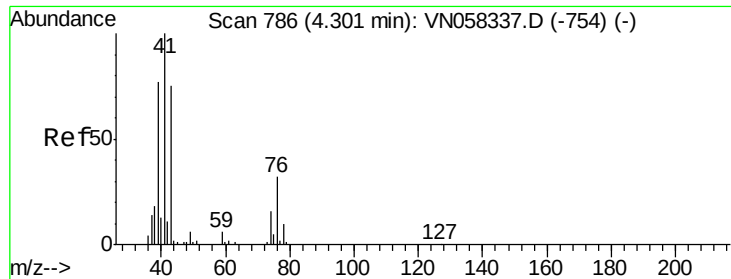
MMDadoda
10/9/2019 10:50:20 AM



#16
Carbon Disulfide
Concen: 19.905 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 76 Resp: 245300
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2





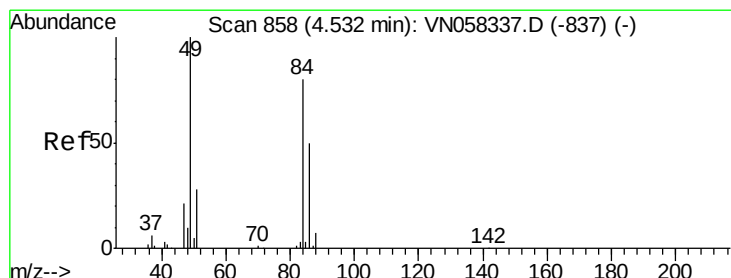
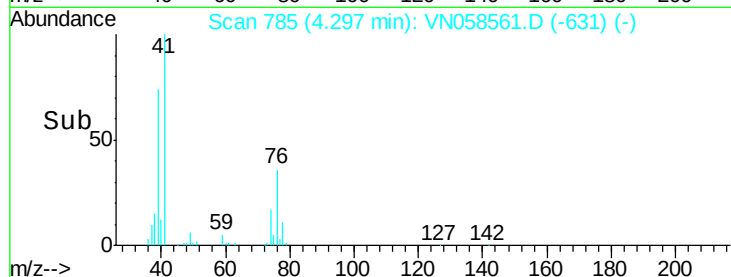
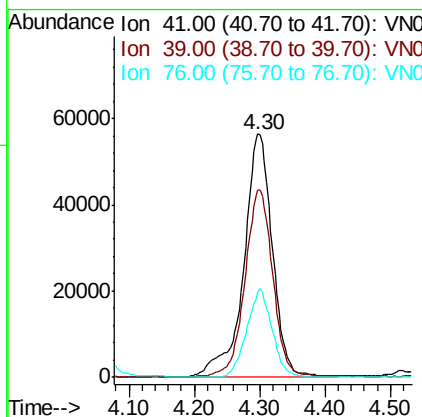
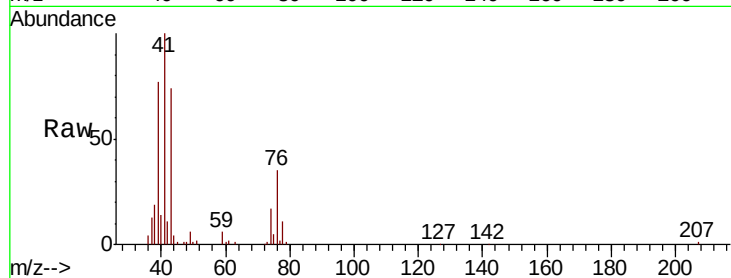
#17
Allvl chloride
Concen: 20.658 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.1	38.7	116.1
76	35.0	16.4	49.1

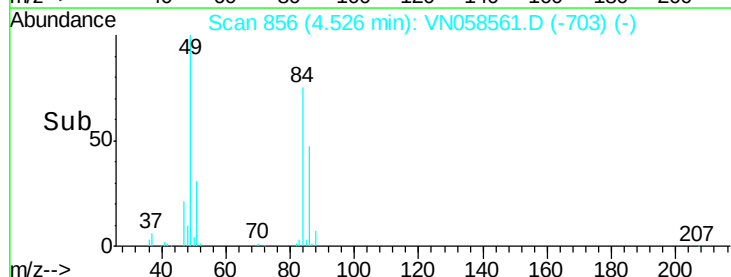
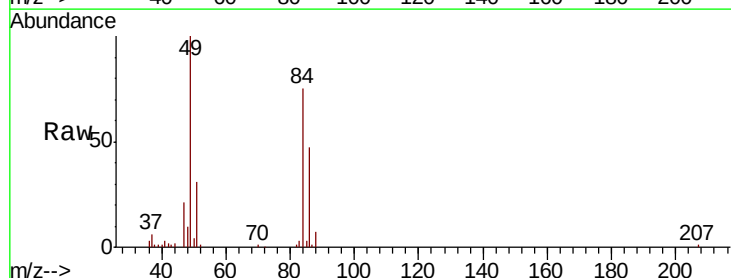
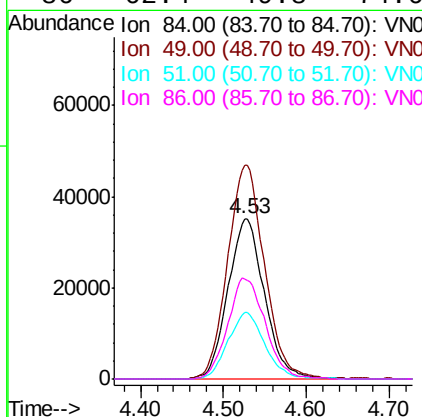
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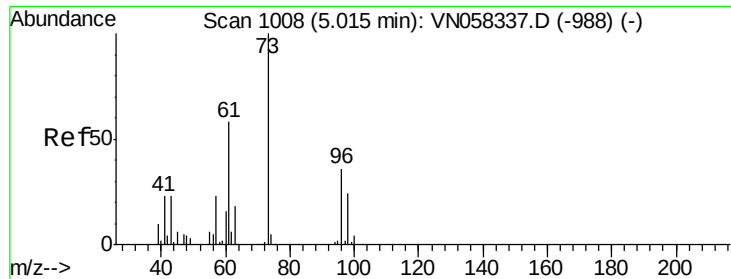
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#18
Methylene Chloride
Concen: 20.588 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	99.8	149.6
51	41.6	28.3	42.5
86	62.4	49.8	74.6





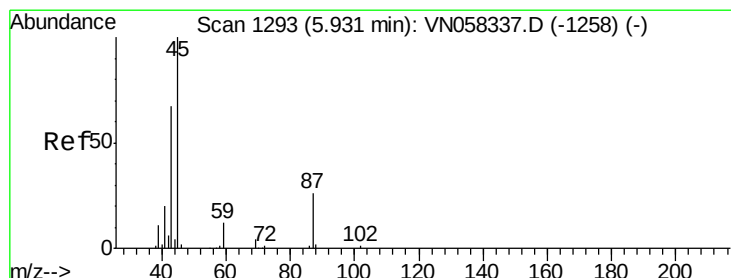
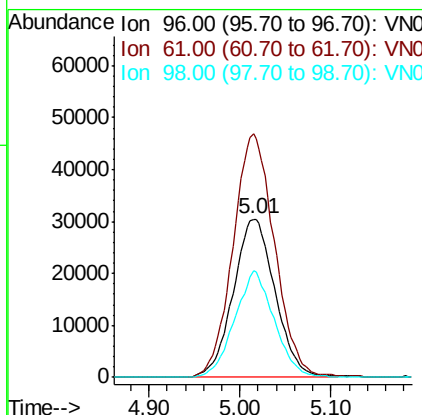
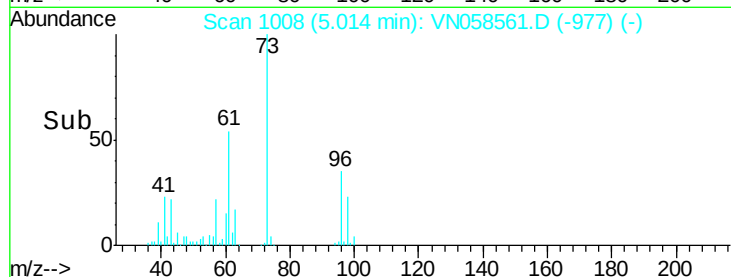
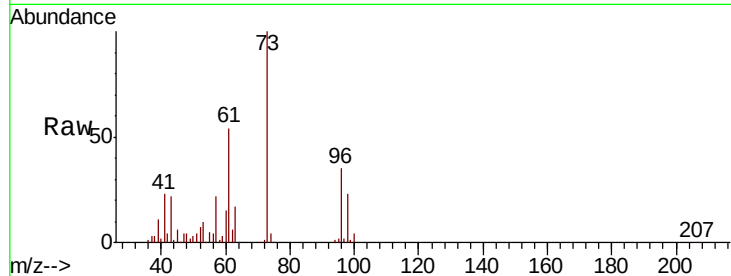
#19
trans-1,2-Dichloroethene
Concen: 19.581 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.1	128.0	192.0
98	67.1	53.0	79.6

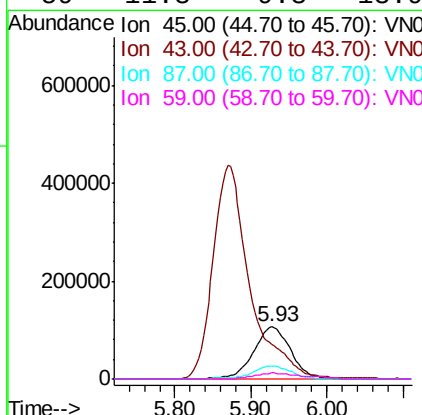
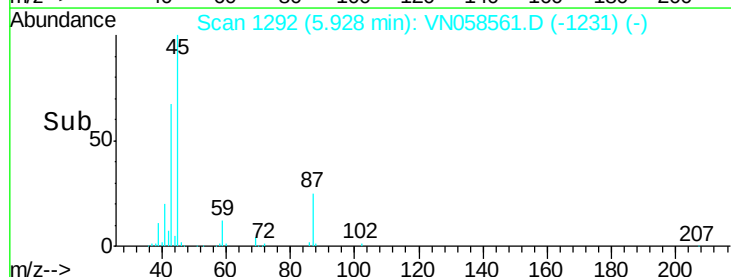
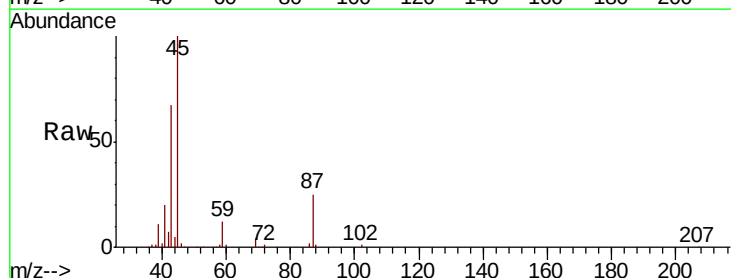
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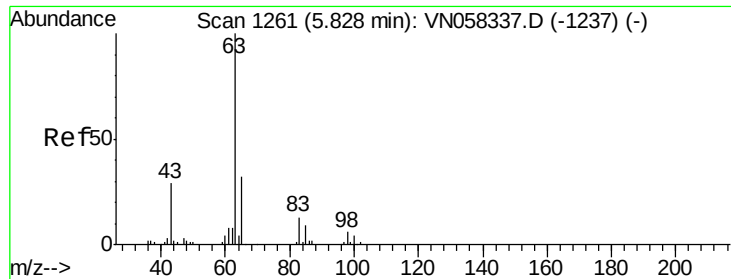
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10/9/2019 10:50:20 AM



#20
Diisopropyl ether
Concen: 20.438 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	54.1	81.1
87	25.2	21.4	32.2
59	11.3	9.3	13.9





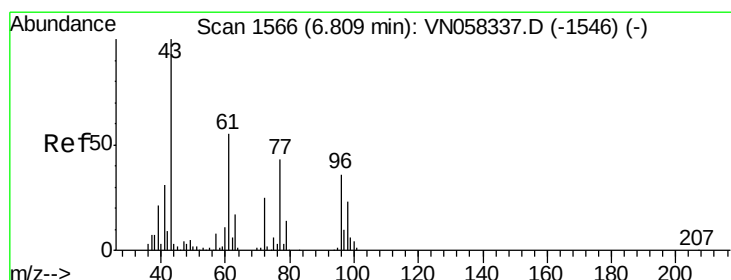
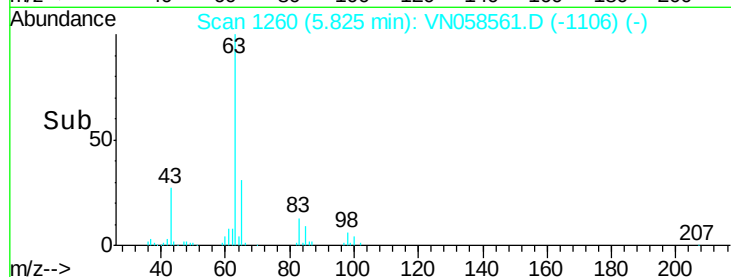
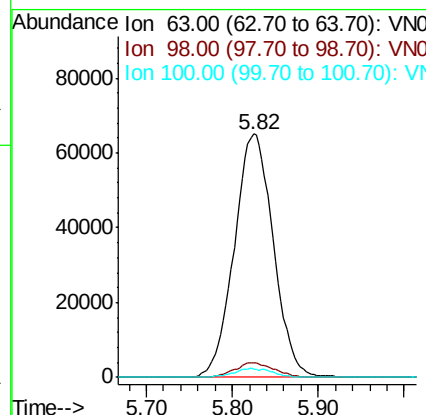
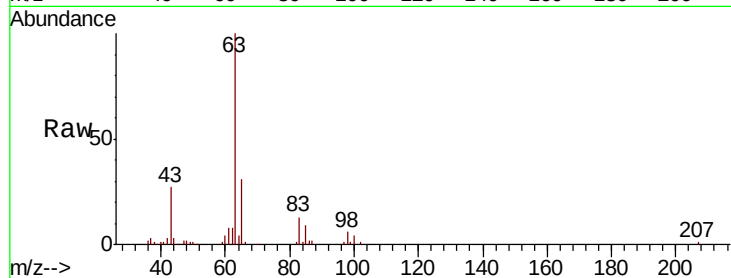
#21
 1,1-Dichloroethane
 Concen: 20.791 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.0	3.0	9.2
100	3.5	2.1	6.5

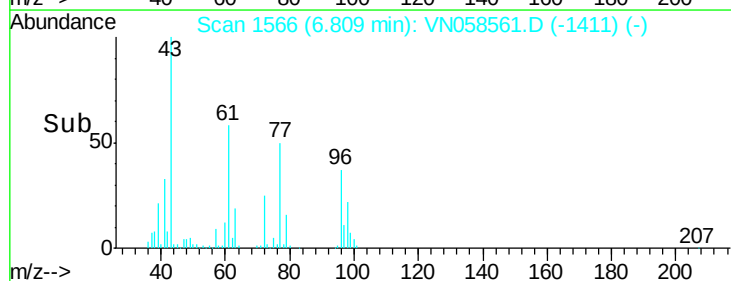
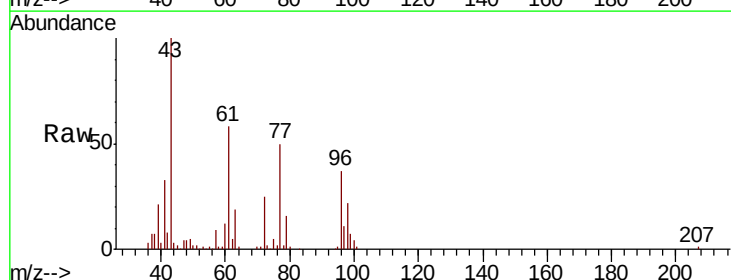
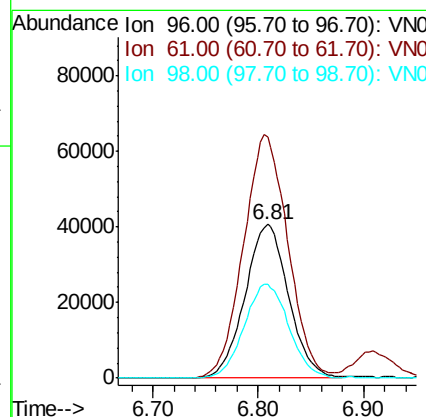
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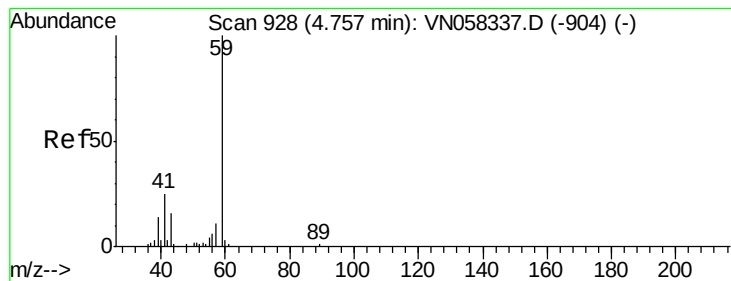
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#22
 cis-1,2-Dichloroethene
 Concen: 20.108 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	162.4	128.2	192.2
98	63.0	50.6	76.0





#23

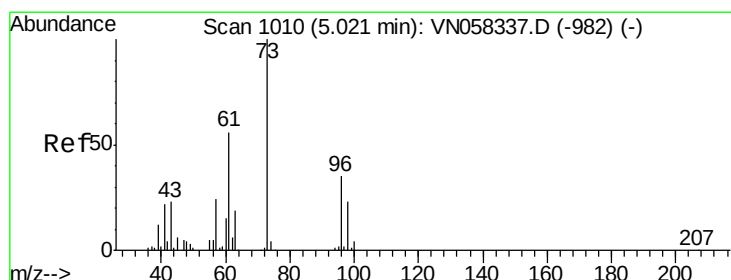
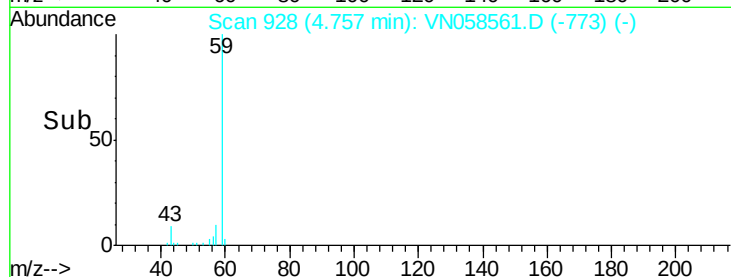
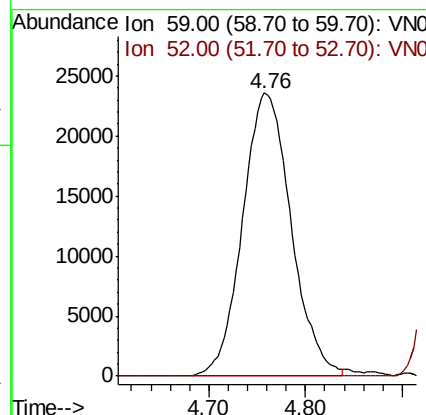
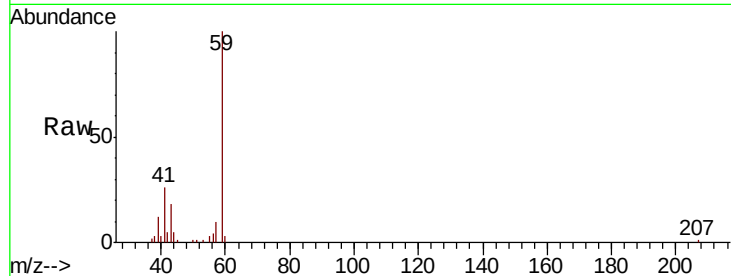
tert-Butyl Alcohol
Concen: 91.414 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampled :
VN1007WBS01

Tot Ion: 59 Resp: 82297
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

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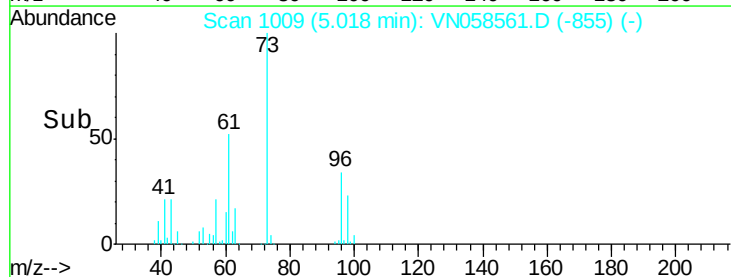
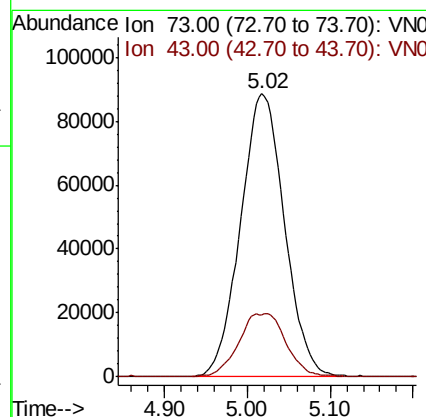
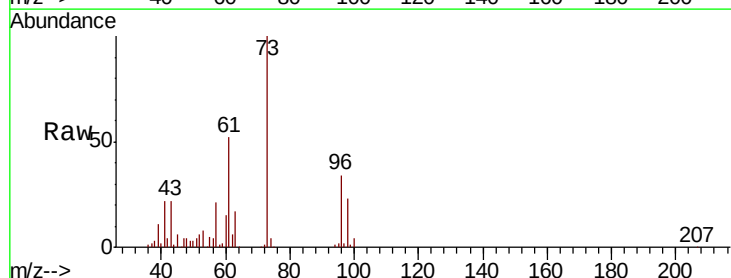
MMDadoda
10/9/2019 10:50:20 AM

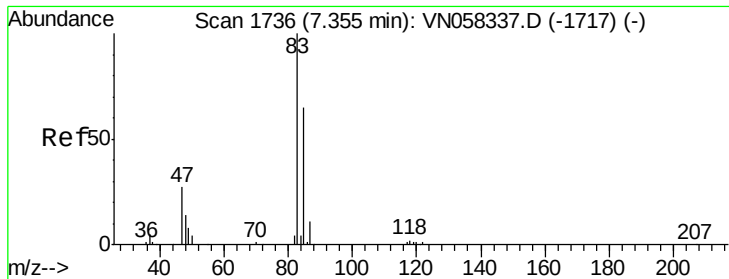


#24

Methyl tert-Butyl Ether
Concen: 20.504 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 73 Resp: 326379
Ion Ratio Lower Upper
73 100
43 12.1 18.4 27.6#





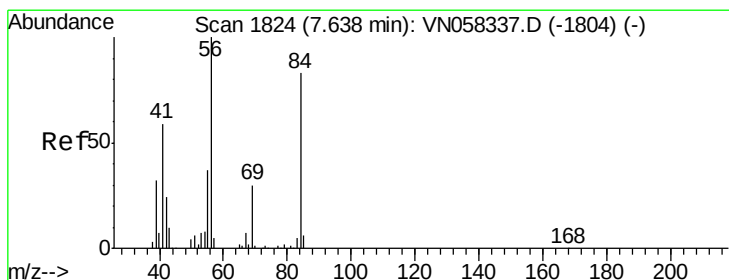
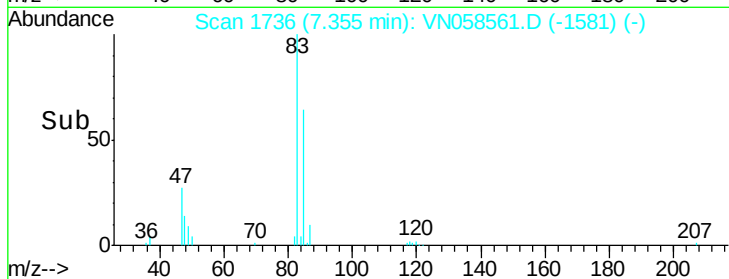
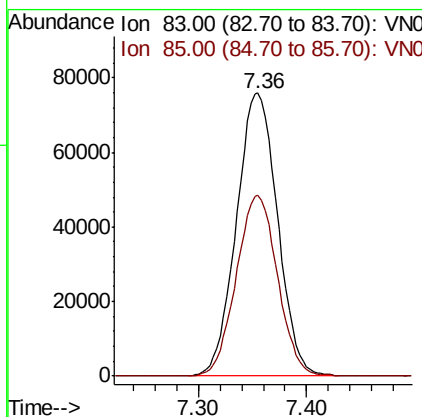
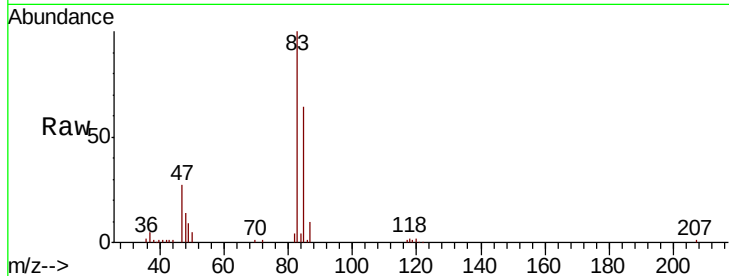
#25
Chloroform
Concen: 20.131 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	83	Resp	201321
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.8	77.6

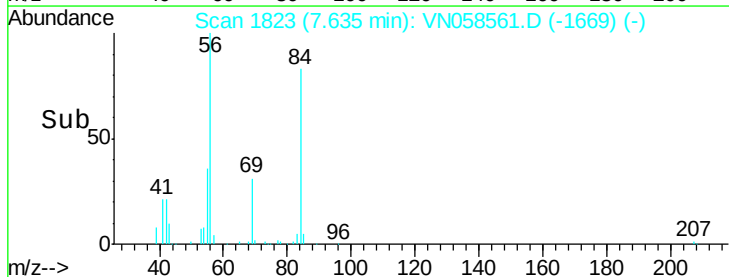
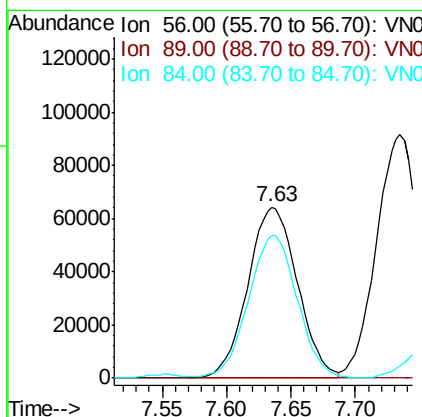
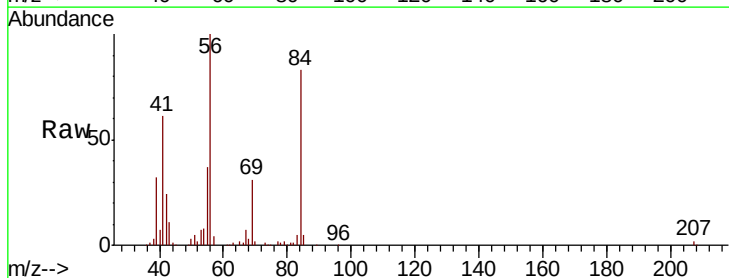
Manual Integrations
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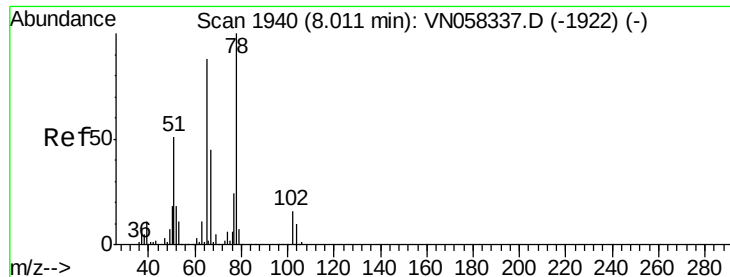
MMDadoda
10/9/2019 10:50:20 AM



#26
Cyclohexane
Concen: 18.655 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	56	Resp	172204
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	0.1	0.1
84	82.3	66.9	100.3





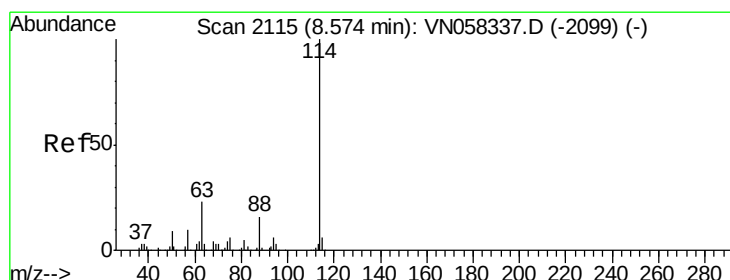
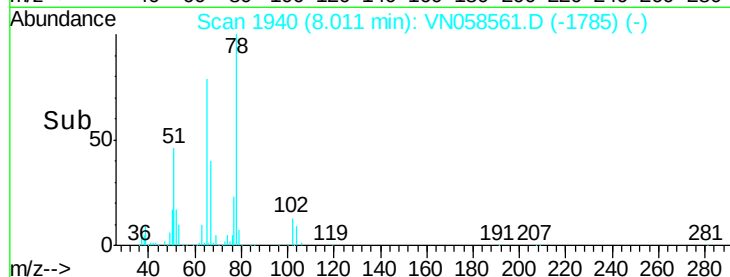
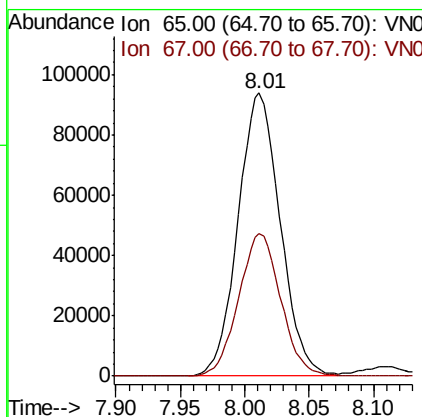
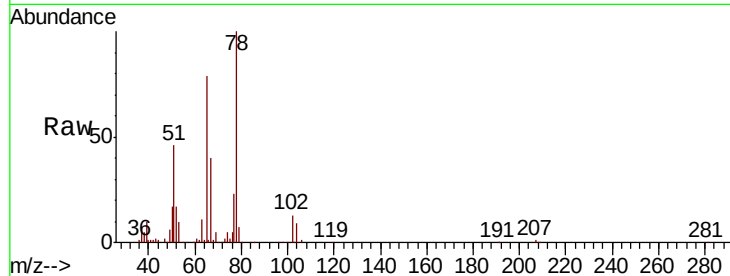
#27
 1,2-Dichloroethane-d4
 Concen: 29.927 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampled :
 VN1007WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.4	40.4	60.6

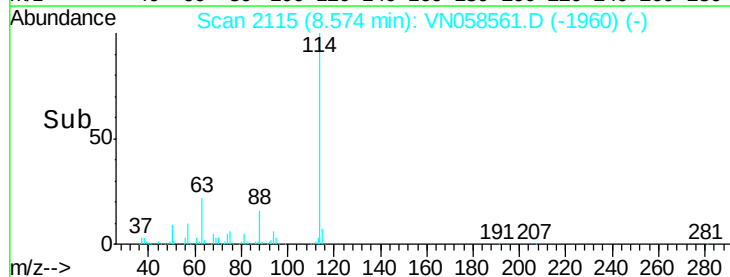
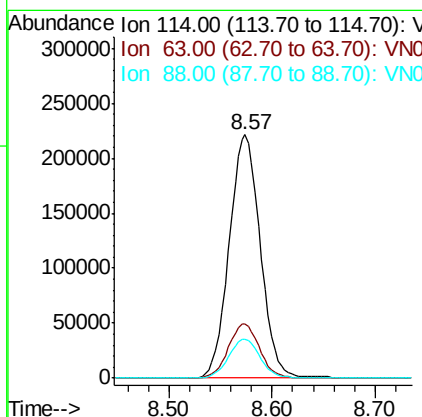
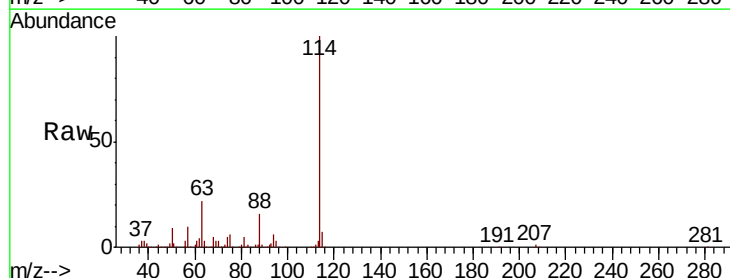
Manual Integrations
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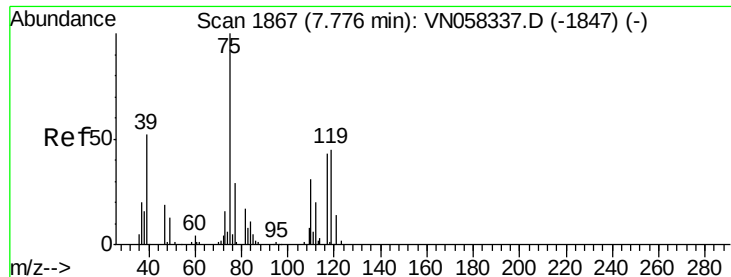
MMDadoda
 10/9/2019 10:50:20 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	17.8	26.8
88	16.1	12.7	19.1





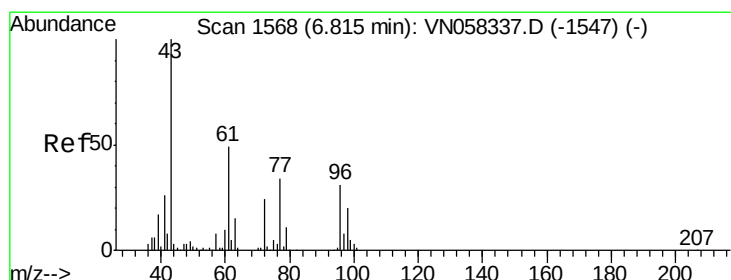
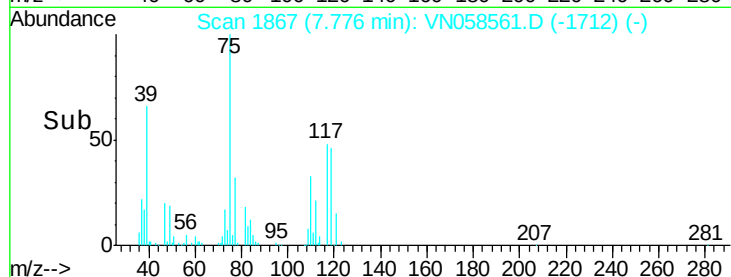
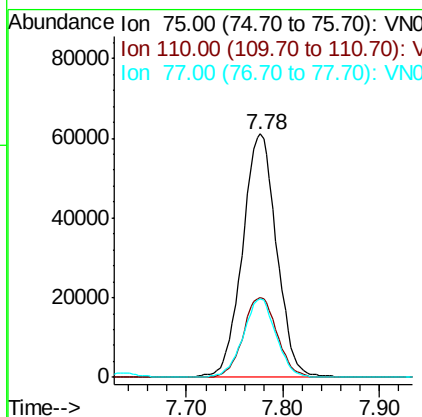
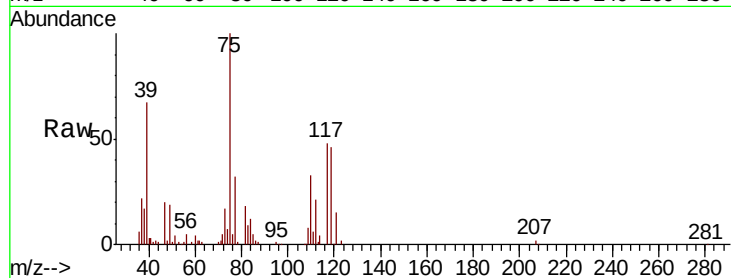
#29
 1,1-Dichloropropene
 Concen: 19.750 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.5	0.0	63.6
77	31.2	0.0	59.4

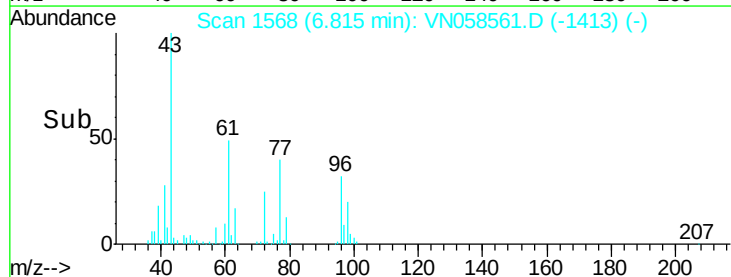
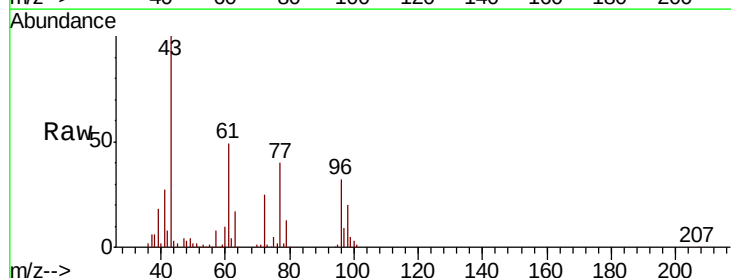
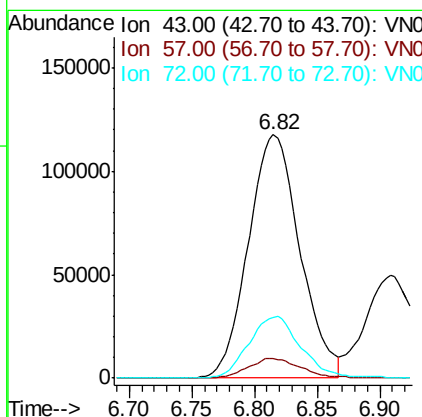
Manual Integrations
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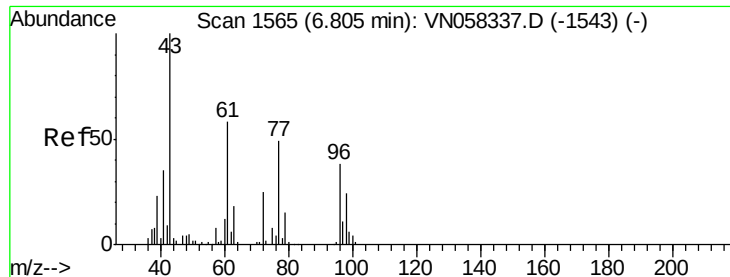
MMDadoda
 10/9/2019 10:50:20 AM



#30
 2-Butanone
 Concen: 97.474 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.2	9.4
72	25.9	20.3	30.5





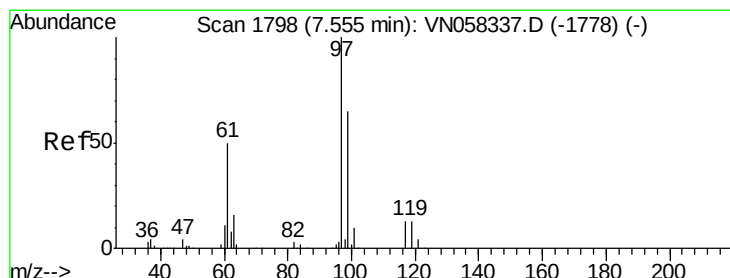
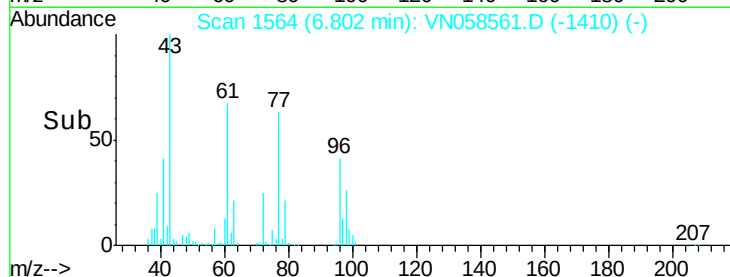
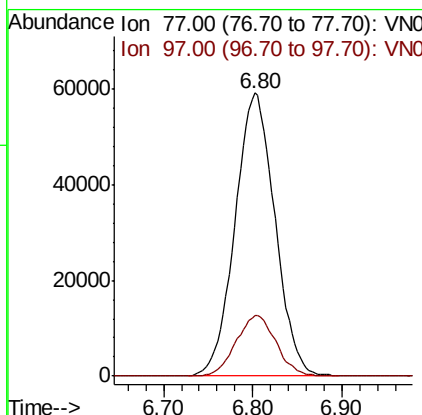
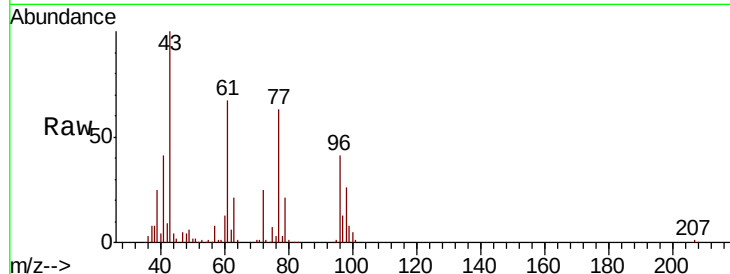
#31
 2,2-Dichloropropane
 Concen: 23.515 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion: 77 Resp: 183466
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.6 26.4

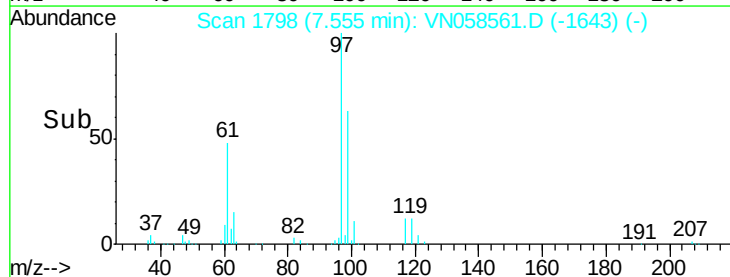
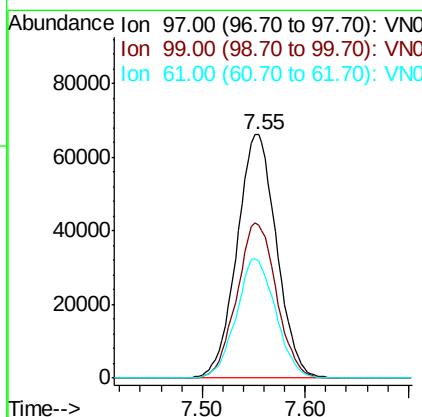
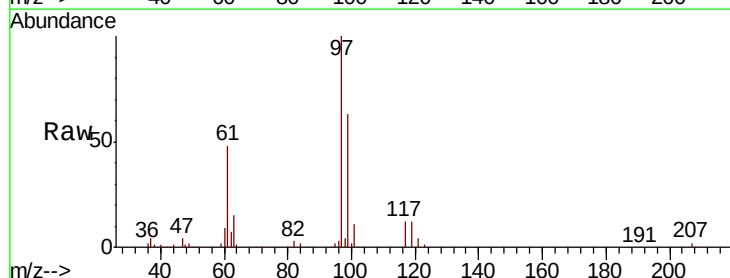
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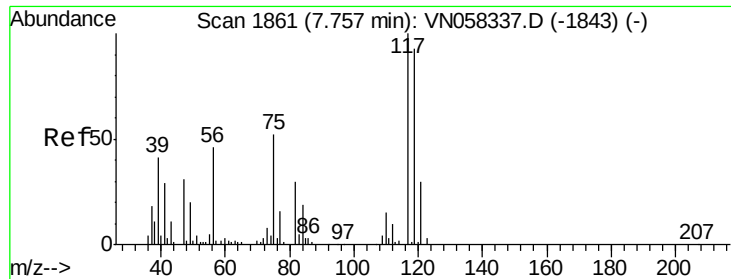
MMDadoda
 10/9/2019 10:50:20 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.596 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion: 97 Resp: 176525
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.8 77.6
 61 48.5 39.4 59.2





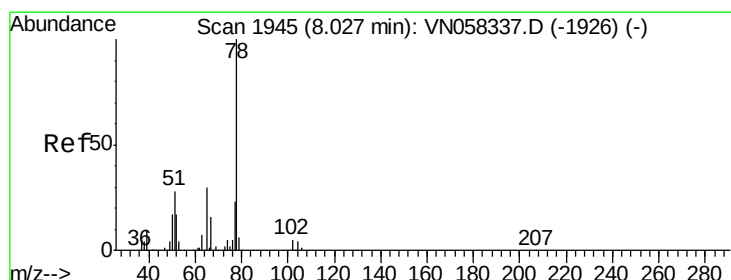
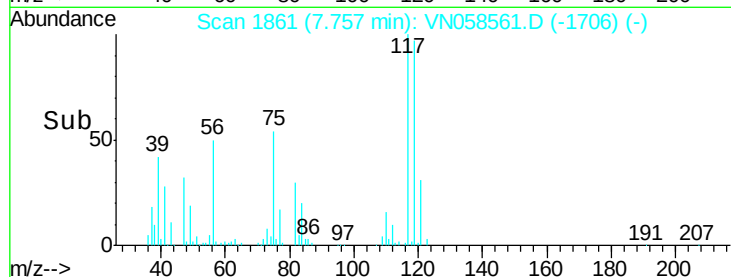
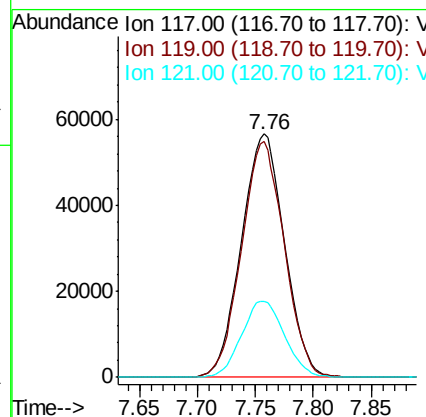
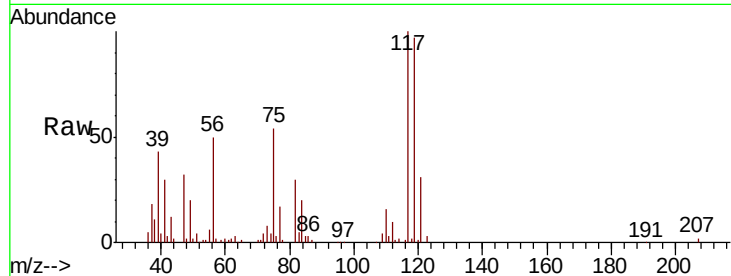
#33
Carbon Tetrachloride
Concen: 21.115 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	74.2	111.4
121	31.2	23.9	35.9

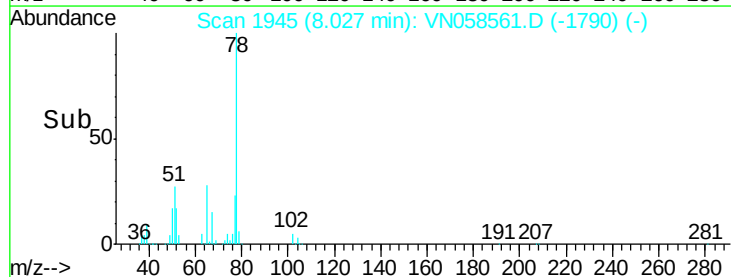
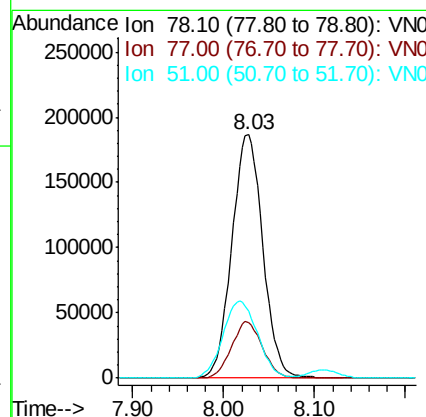
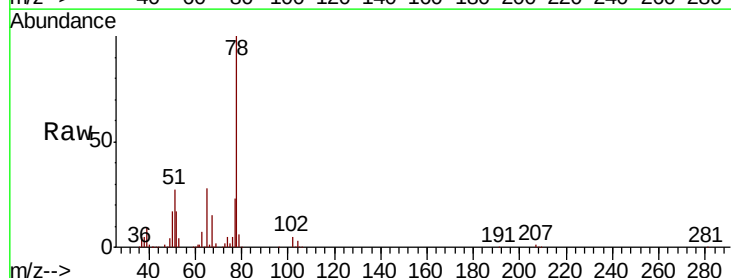
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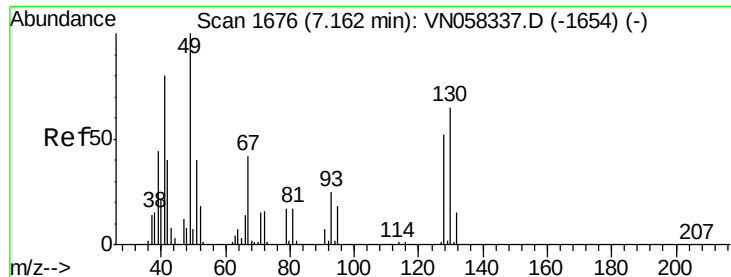
MMDadoda
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#34
Benzene
Concen: 20.519 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.8	28.2
51	27.2	22.4	33.6





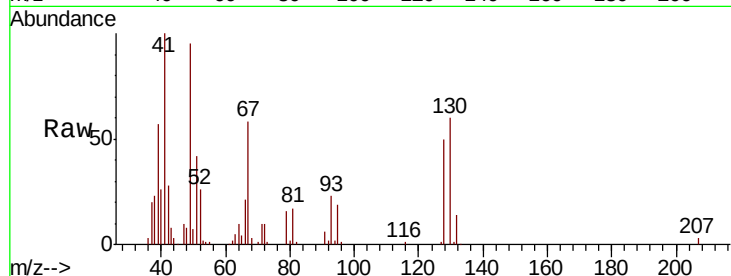
#35
Methacrylonitrile
Concen: 22.046 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

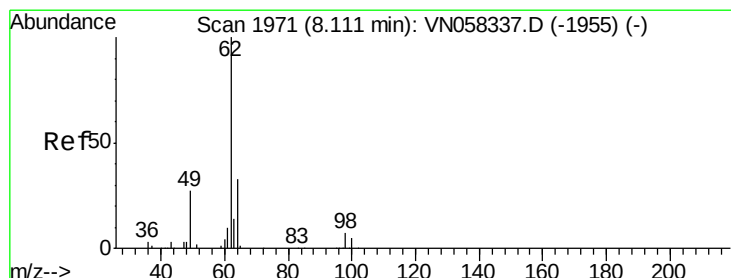
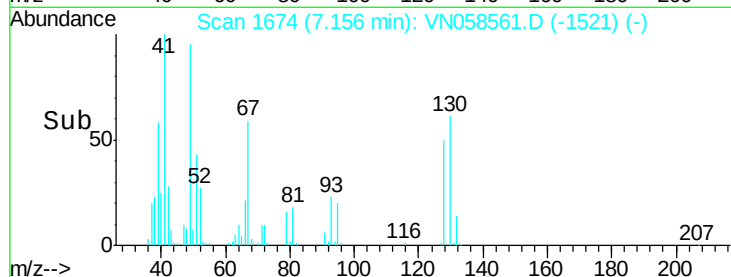
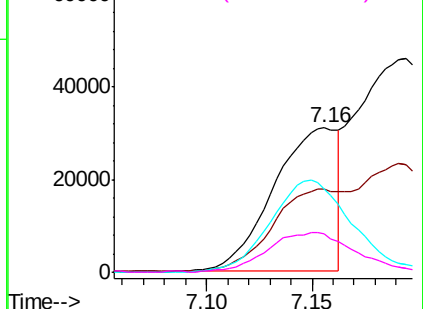
Tot Ion	41	Resp	65249
Ion	Ratio	Lower	Upper
41	100		
39	57.3	27.3	81.9
67	58.7	26.3	78.9
52	26.7	11.0	33.0

Manual Integrations
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10/9/2019 10:50:20 AM

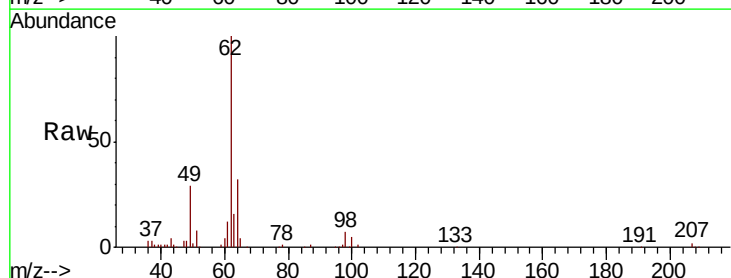


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

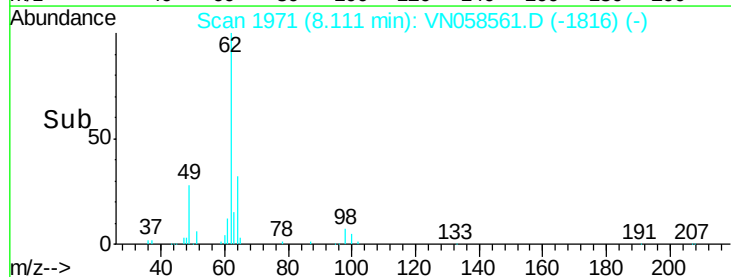
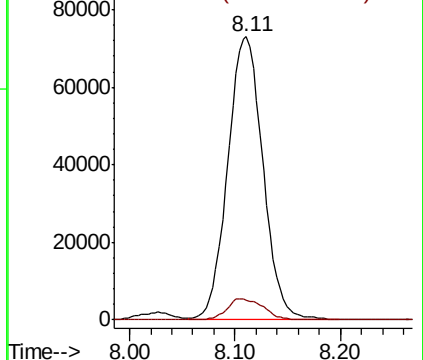


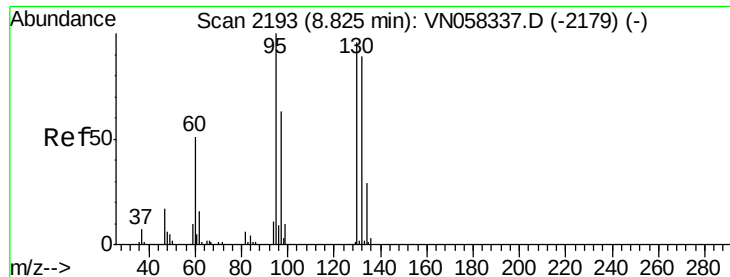
#36
1,2-Dichloroethane
Concen: 20.061 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	62	Resp	168946
Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 20.031 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion:130 Resp: 107807

Ion Ratio Lower Upper

130 100

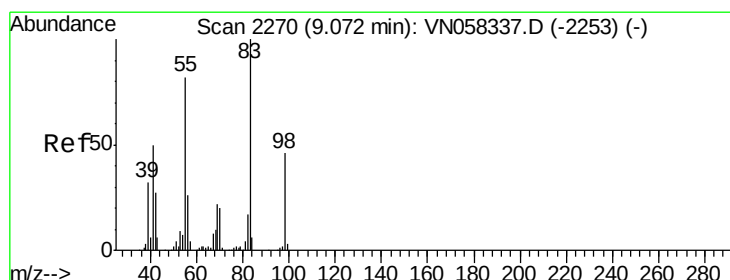
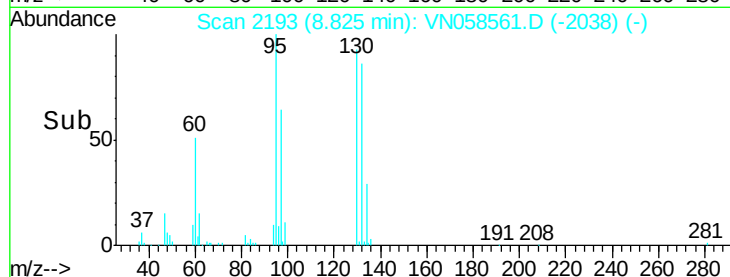
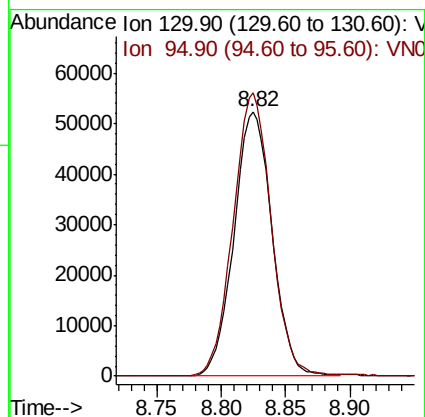
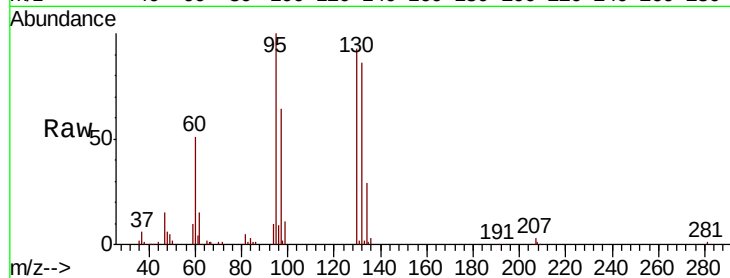
95 106.7 83.3 124.9

Manual Integrations

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#38

Methylcyclohexane

Concen: 18.355 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

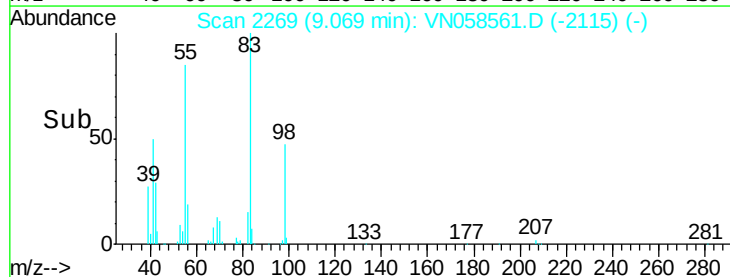
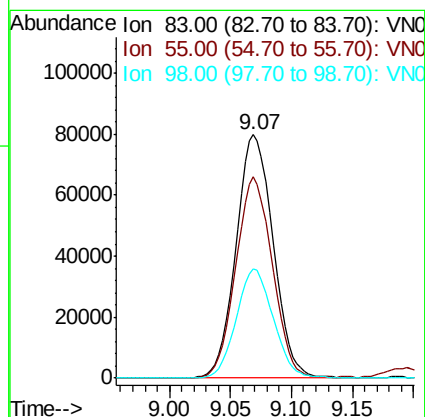
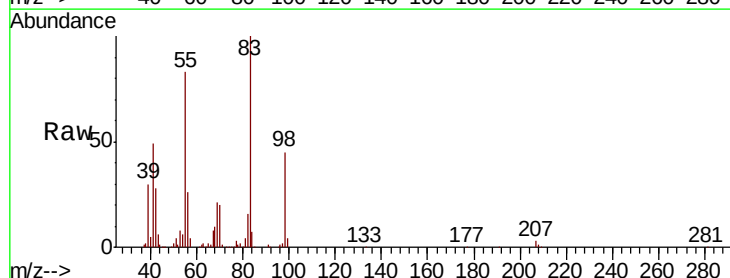
Tgt Ion: 83 Resp: 168205

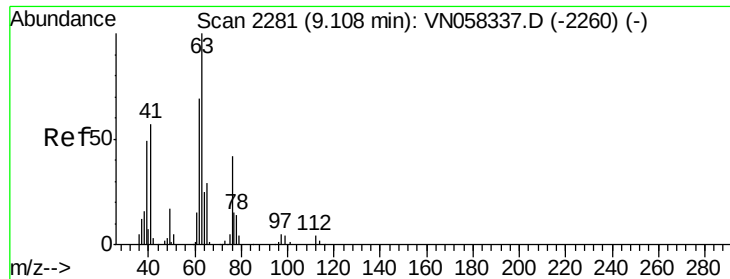
Ion Ratio Lower Upper

83 100

55 81.7 40.5 121.4

98 44.7 23.1 69.2





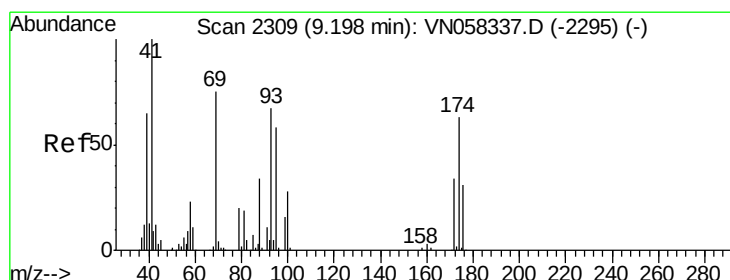
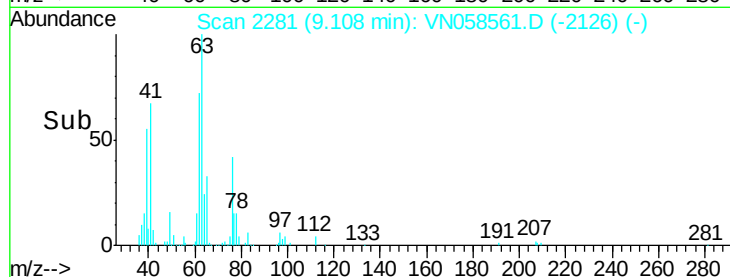
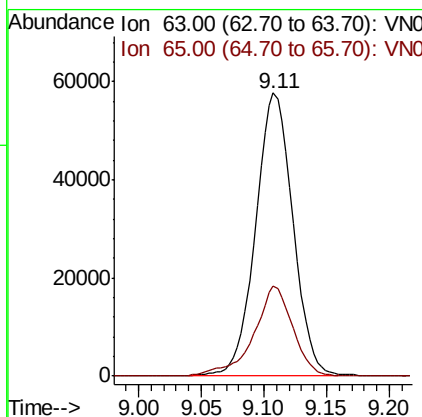
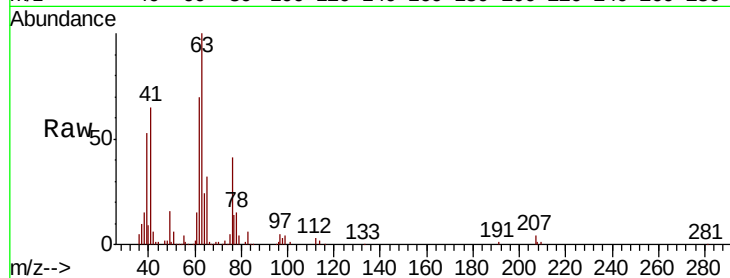
#39
 1,2-Dichloropropane
 Concen: 20.392 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.4	35.0

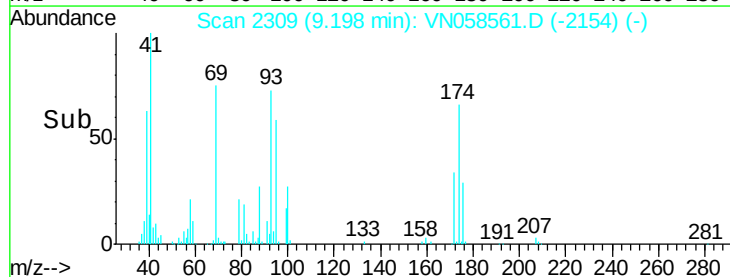
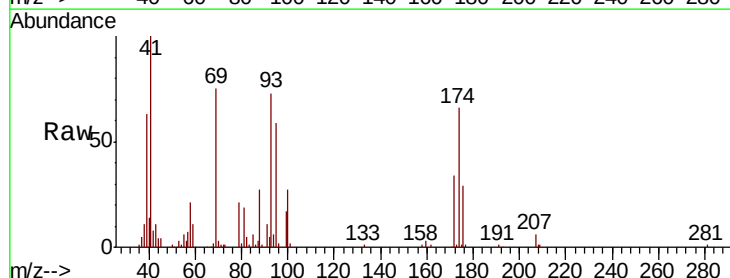
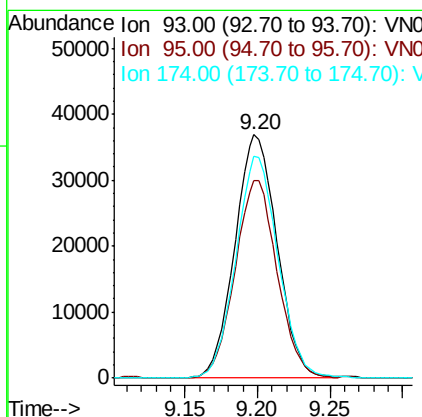
Manual Integrations
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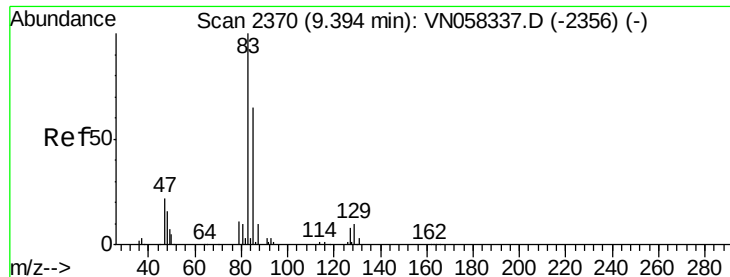
MMDadoda
 10/9/2019 10:50:20 AM



#40
 Dibromomethane
 Concen: 20.207 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.0	0.0	166.8
174	91.4	0.0	187.2





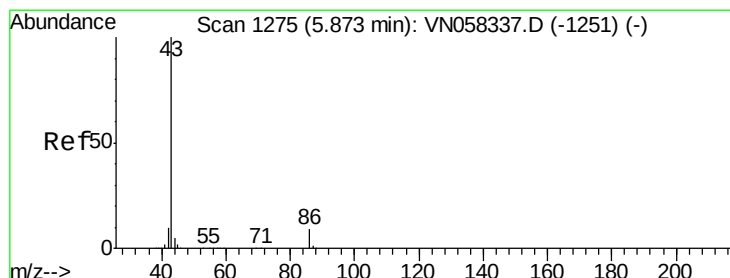
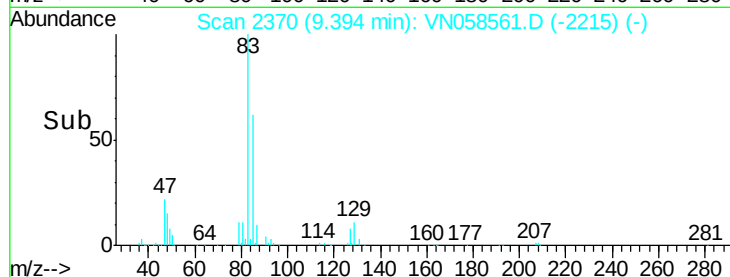
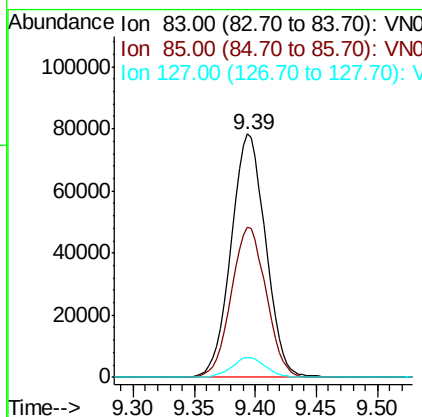
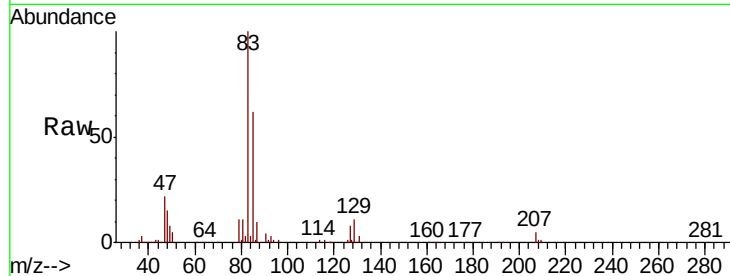
#41
Bromodichloromethane
Concen: 21.012 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	83	Resp	153714
Ion Ratio	Lower	Upper	
83	100		
85	61.6	52.0	78.0
127	8.1	6.1	9.1

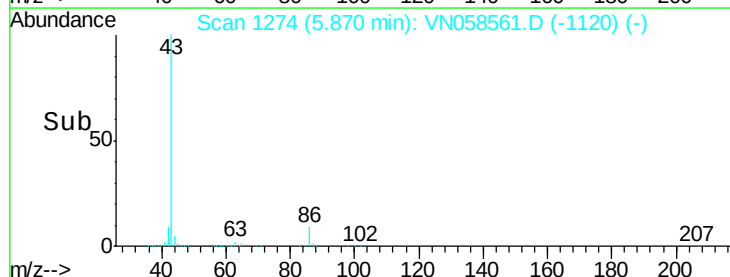
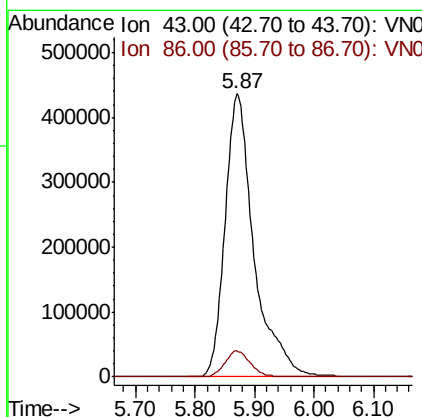
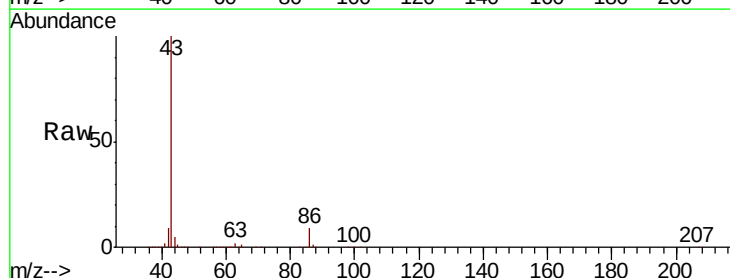
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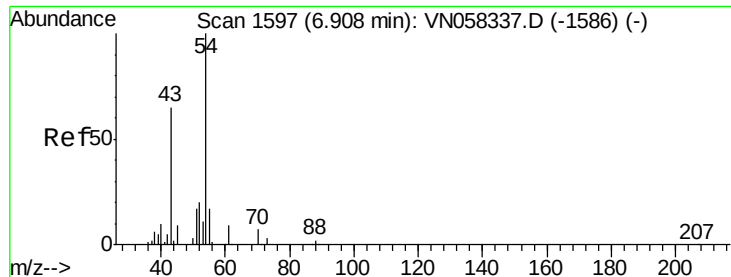
MMDadoda
10/9/2019 10:50:20 AM



#42
Vinyl Acetate
Concen: 112.224 ug/l
RT: 5.87 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	43	Resp	1474467
Ion Ratio	Lower	Upper	
43	100		
86	8.0	6.6	9.8





#43

Ethyl Acetate

Concen: 20.356 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion: 43 Resp: 139079

Ion Ratio Lower Upper

43 100

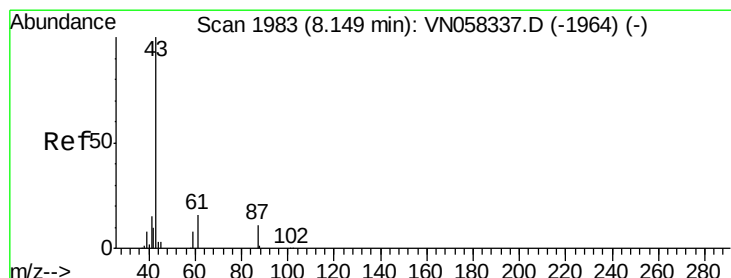
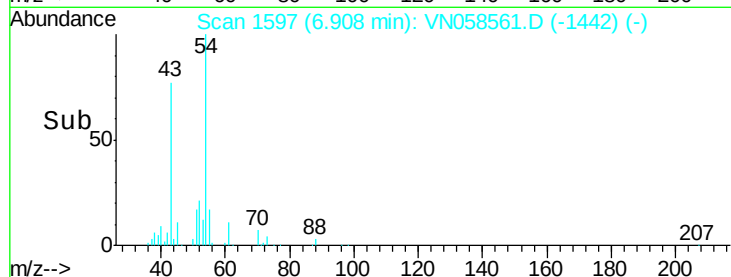
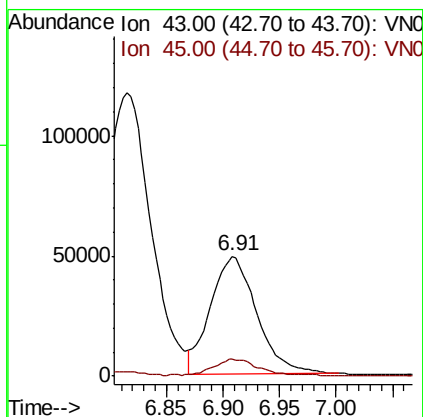
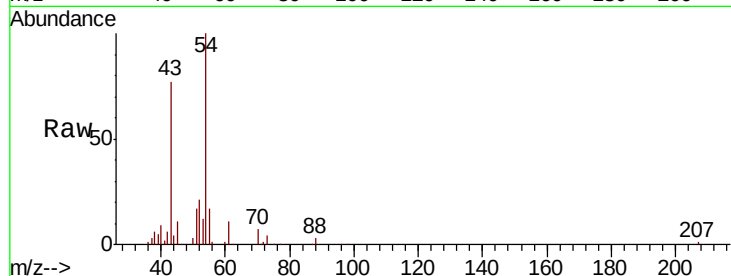
45 12.2 9.8 14.6

Manual Integrations

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#44

Isopropyl Acetate

Concen: 19.581 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058561.D

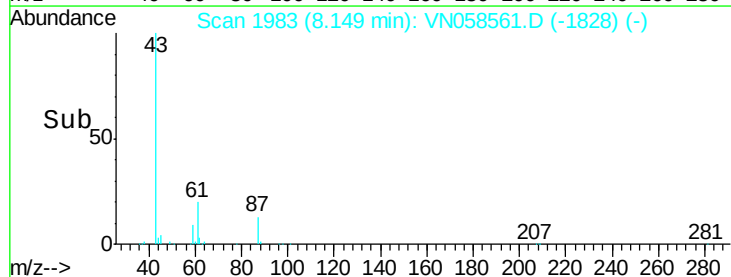
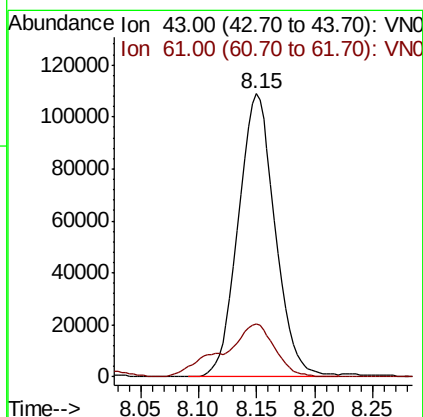
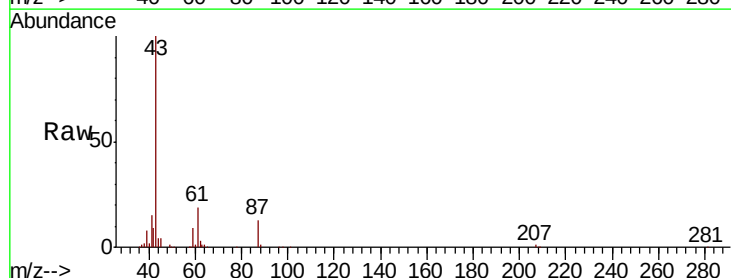
Acq: 7 Oct 2019 12:56

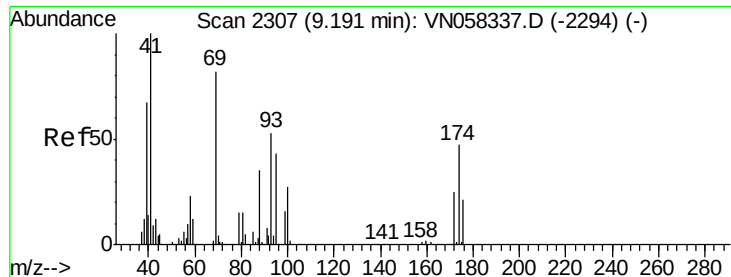
Tgt Ion: 43 Resp: 239485

Ion Ratio Lower Upper

43 100

61 19.2 14.4 21.6





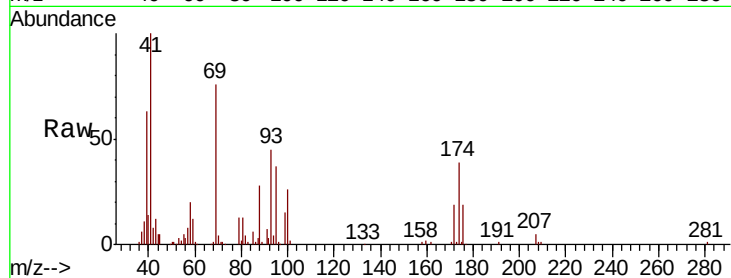
#45
1,4-Dioxane
Concen: 333.293 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

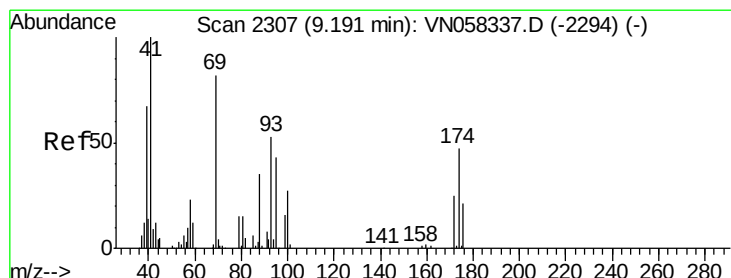
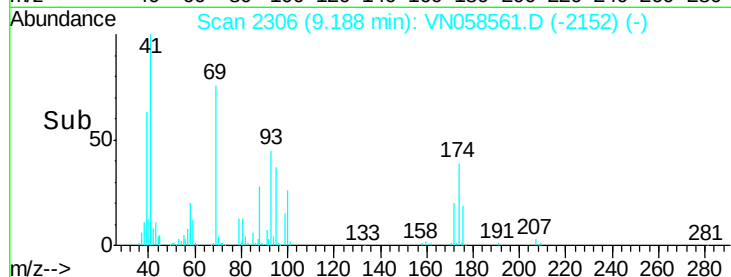
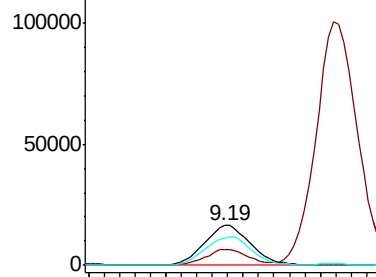
Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	27.2	40.8
58	72.3	55.4	83.0

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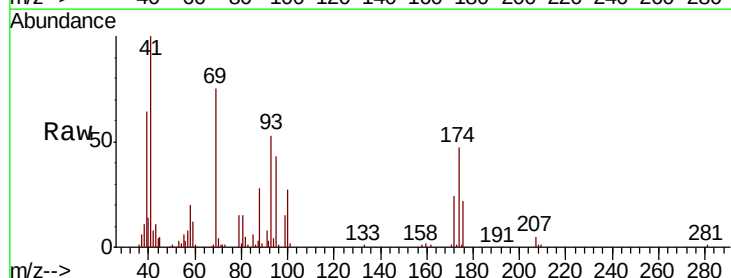


Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

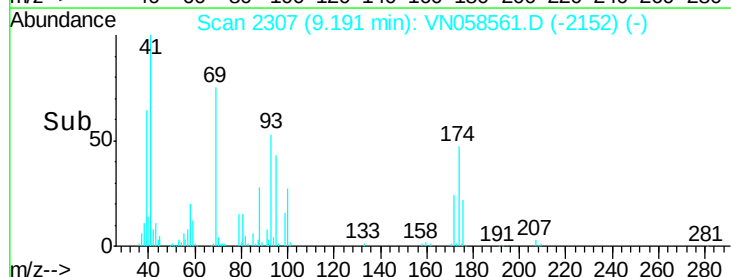
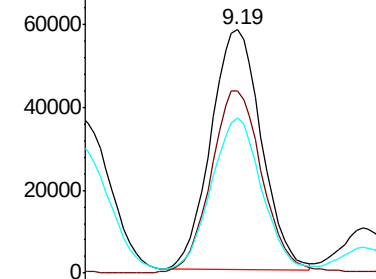


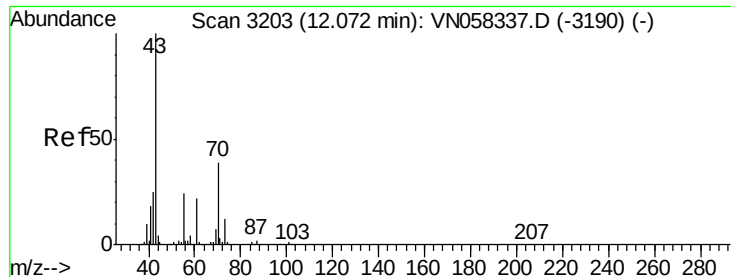
#46
Methyl methacrylate
Concen: 18.906 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.5	40.9	122.7
39	63.1	33.6	100.6



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#47

n-amvl Acetate

Concen: 19.495 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion: 43 Resp: 207545

Ion Ratio Lower Upper

43 100

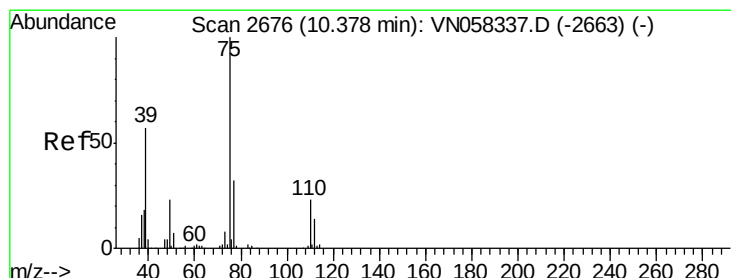
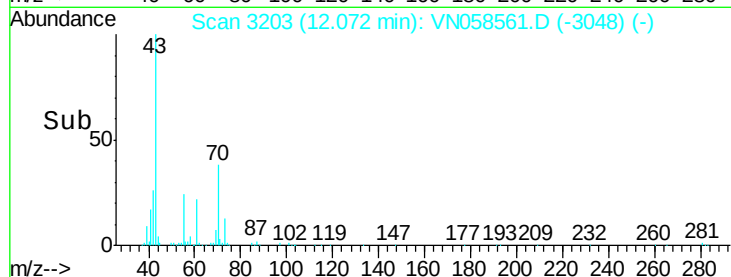
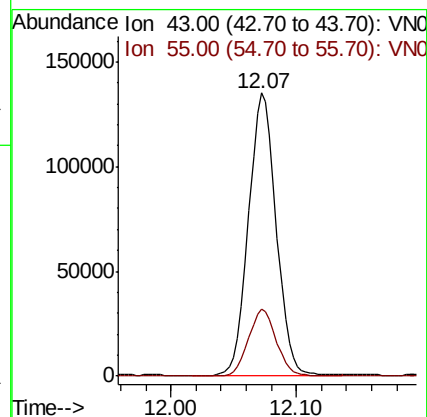
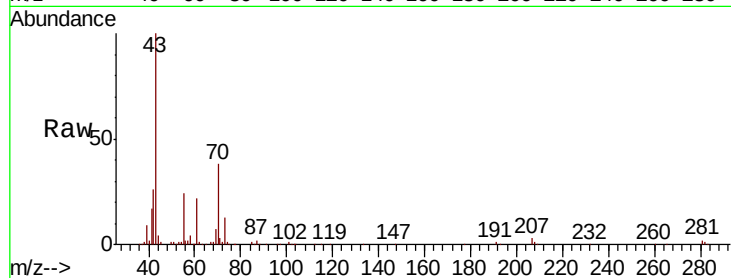
55 24.0 19.0 28.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 21.562 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058561.D

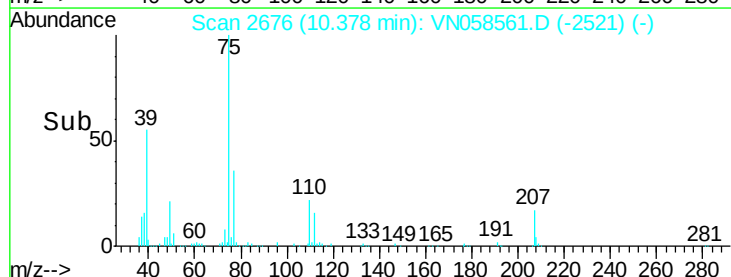
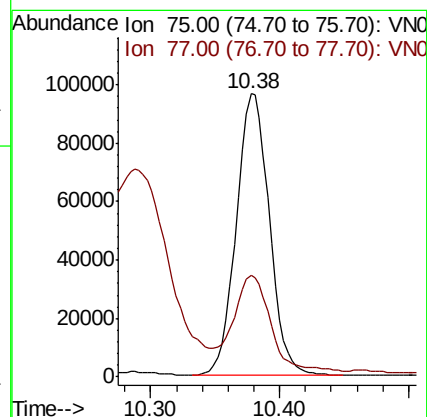
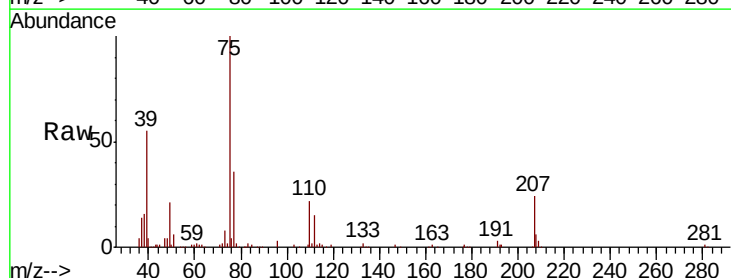
Acq: 7 Oct 2019 12:56

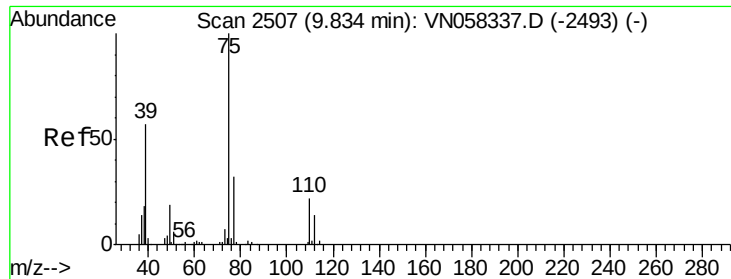
Tgt Ion: 75 Resp: 172352

Ion Ratio Lower Upper

75 100

77 34.0 25.4 38.0





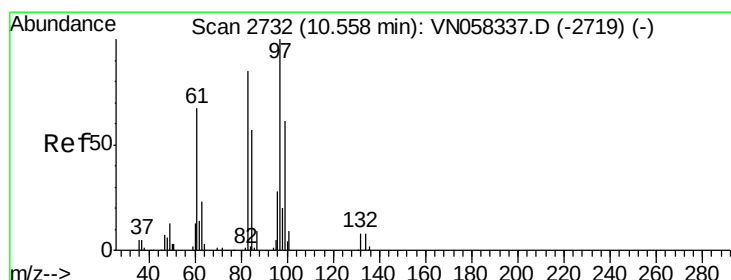
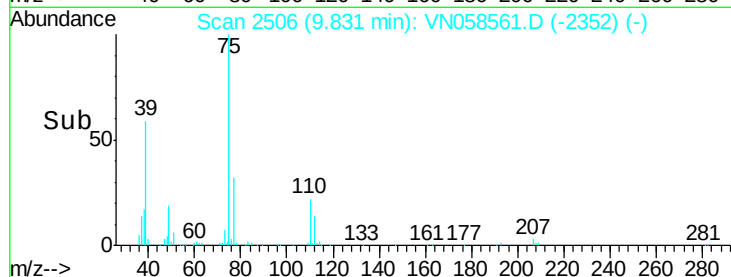
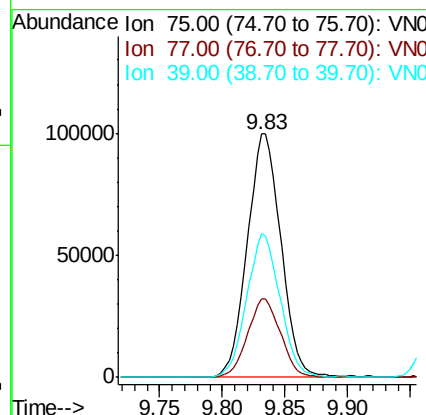
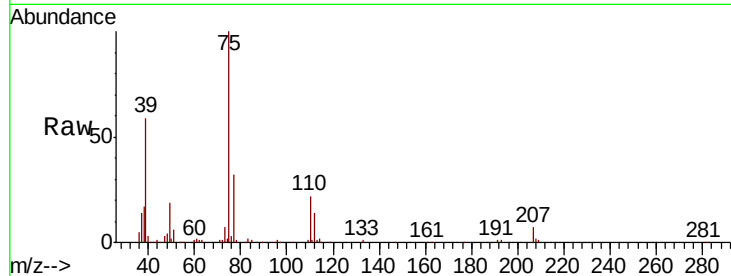
#49
 cis-1,3-Dichloropropene
 Concen: 20.970 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.2	37.8
39	59.0	45.8	68.6

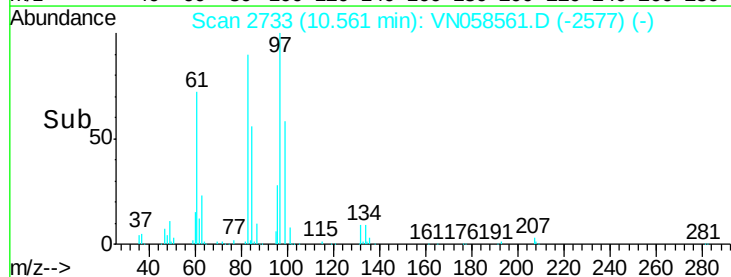
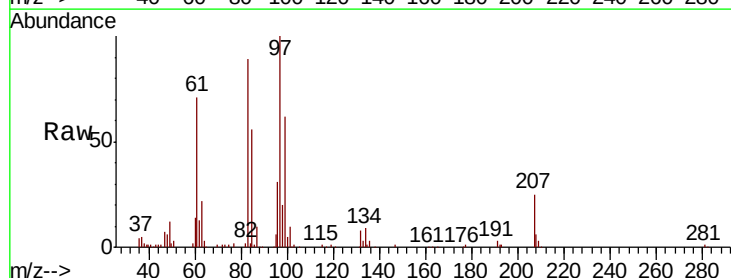
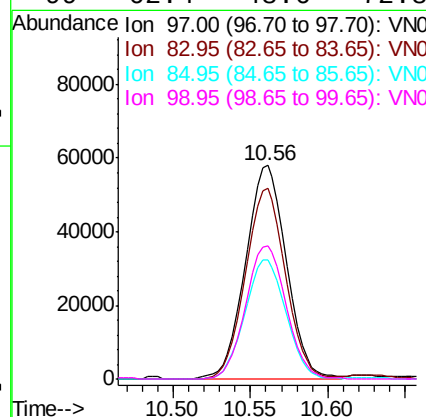
Manual Integrations
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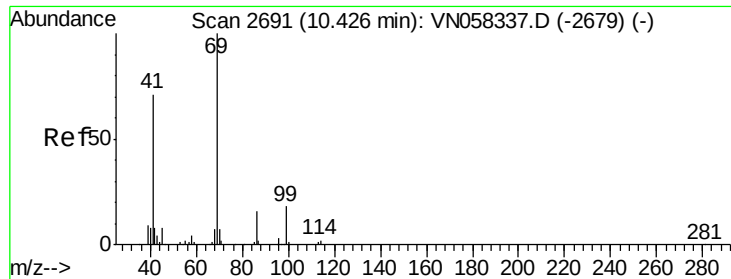
MMDadoda
 10/9/2019 10:50:20 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.676 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	67.8	101.6
85	56.0	45.8	68.6
99	62.4	48.6	72.8





#51

Ethyl methacrylate

Concen: 18.932 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

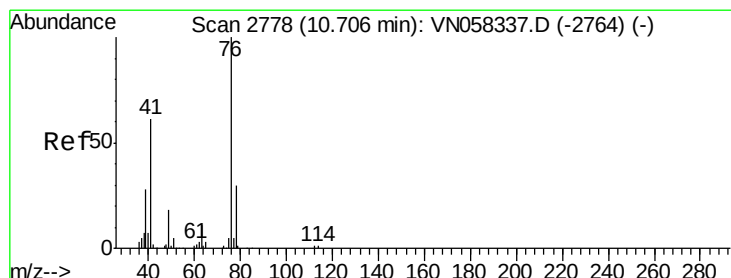
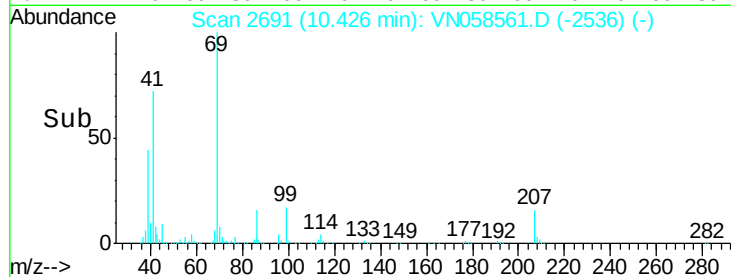
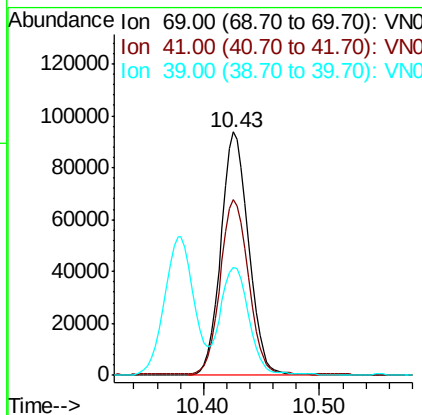
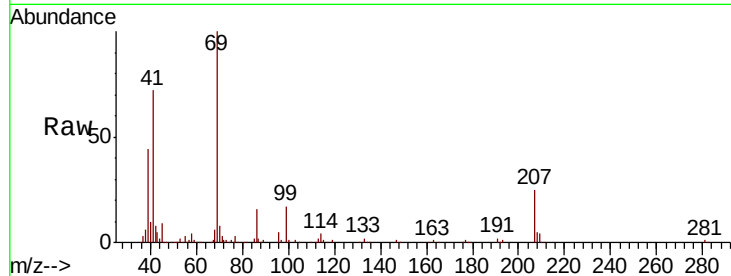
ClientSampled :

VN1007WBS01

Tot Ion:	69	Resp:	154933
Ion	Ratio	Lower	Upper
69	100		
41	71.6	35.4	106.1
39	44.1	23.5	70.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.289 ug/l

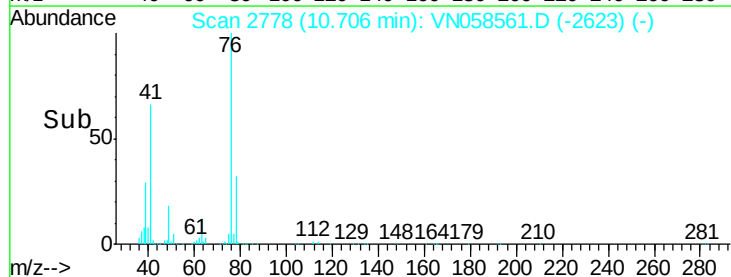
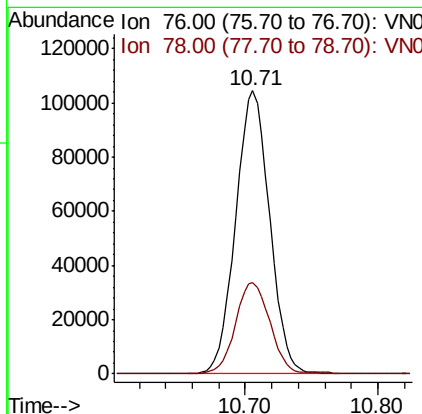
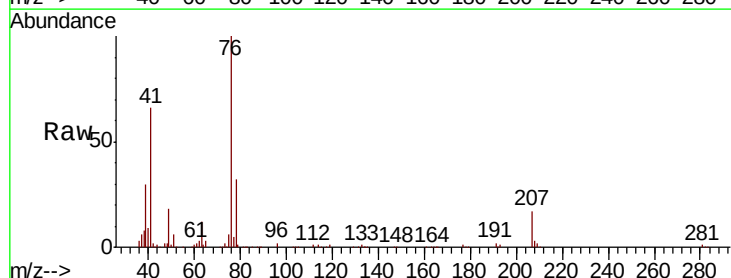
RT: 10.71 min Scan# 2778

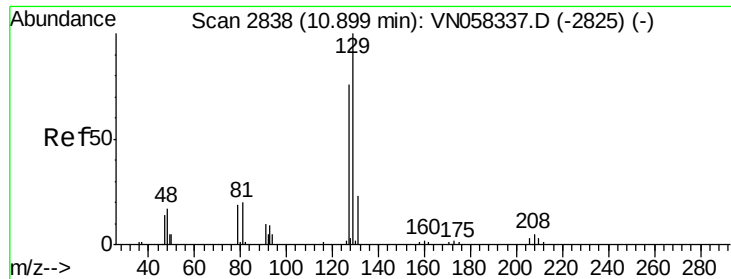
Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:	76	Resp:	186381
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	63.0





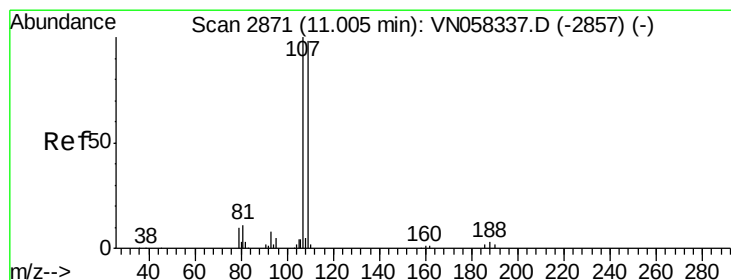
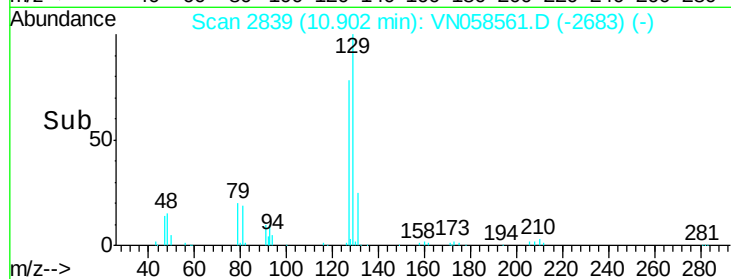
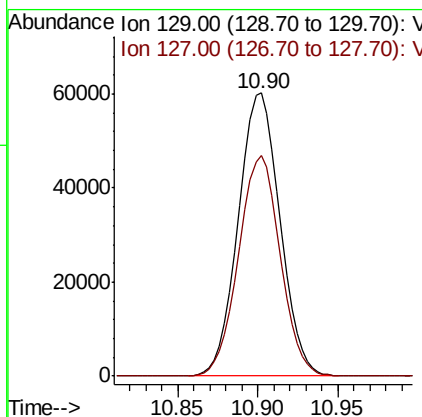
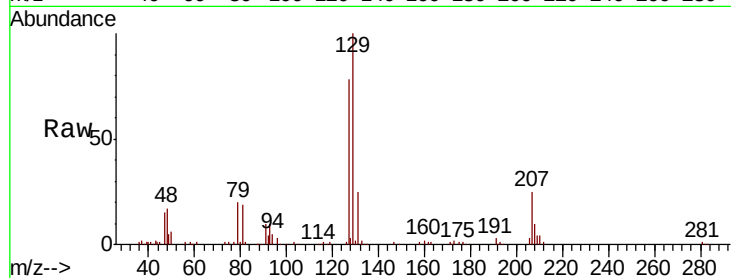
#53
 Dibromochloromethane
 Concen: 20.653 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.6	38.4	115.2	

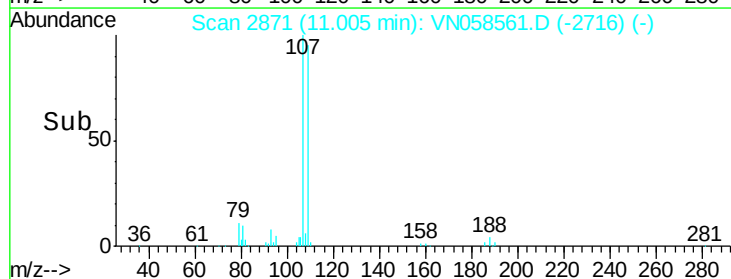
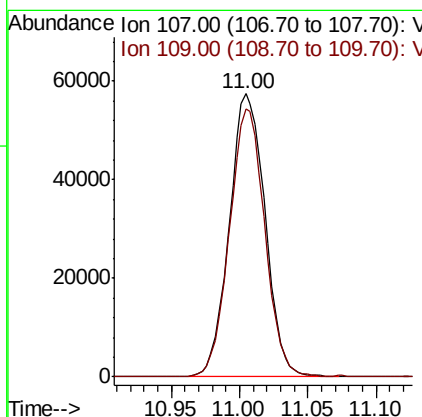
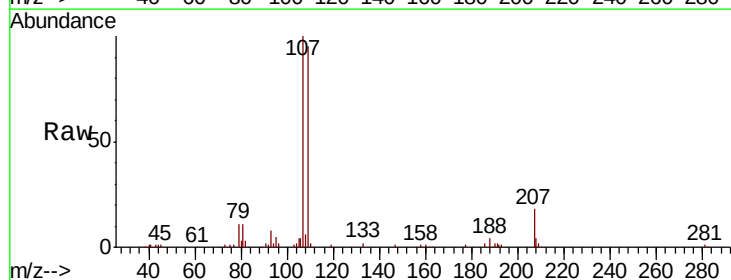
Manual Integrations
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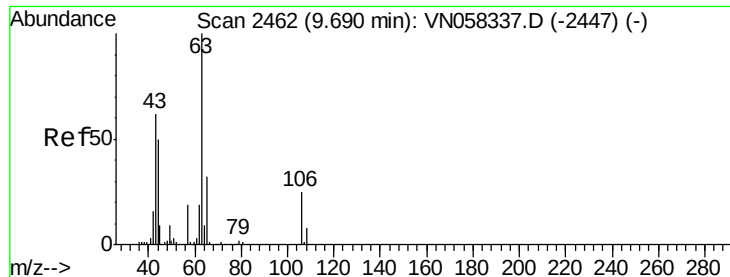
MMDadoda
 10/9/2019 10:50:20 AM



#54
 1,2-Dibromoethane
 Concen: 19.784 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.7	76.5	114.7	





#55

2-Chloroethyl vinyl ether

Concen: 107.908 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

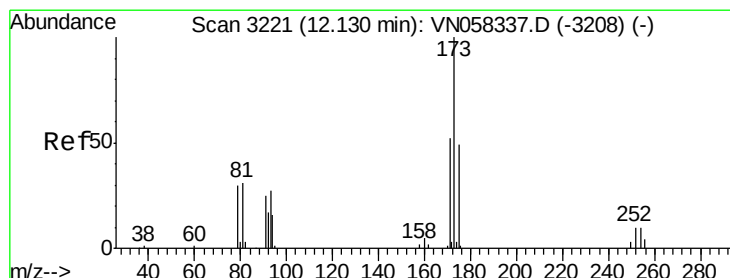
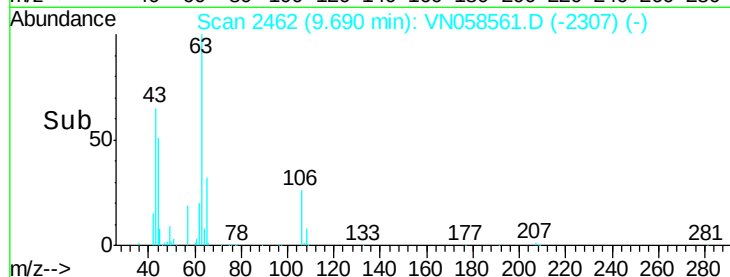
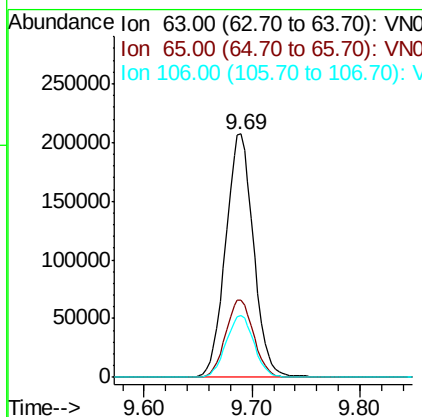
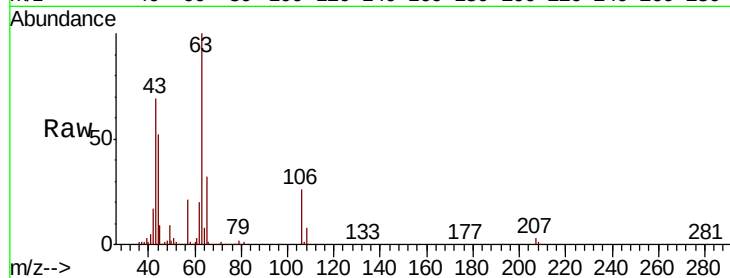
ClientSampleId :

VN1007WBS01

Tot Ion:	63	Resp:	373929
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.4	38.2
106	25.5	20.4	30.6

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#56

Bromoform

Concen: 20.780 ug/l

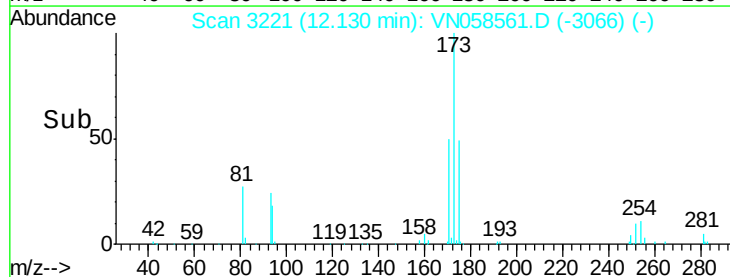
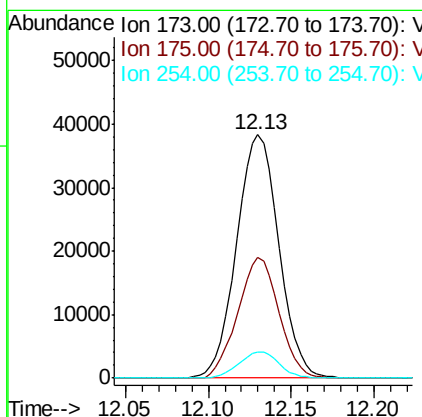
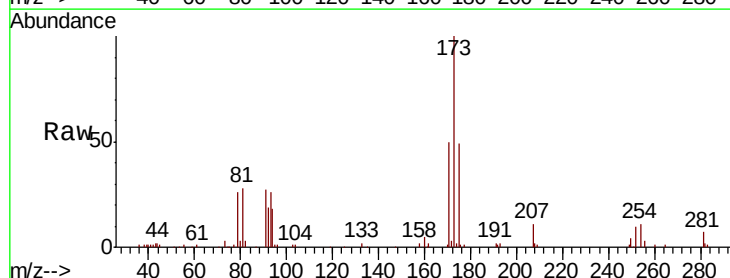
RT: 12.13 min Scan# 3221

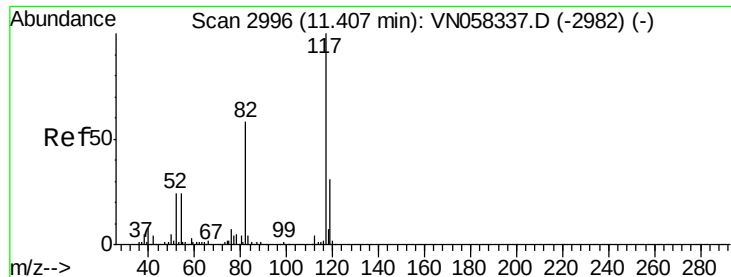
Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:	173	Resp:	68109
Ion Ratio	Lower	Upper	
173	100		
175	48.1	38.8	58.2
254	10.1	7.8	11.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

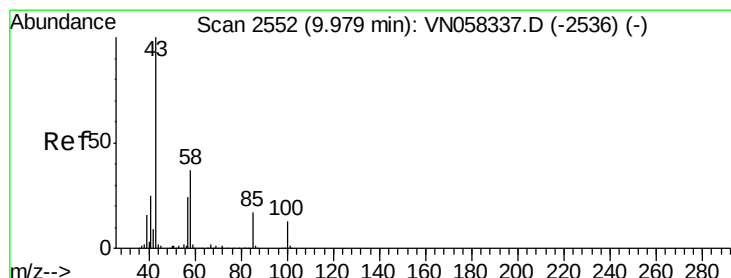
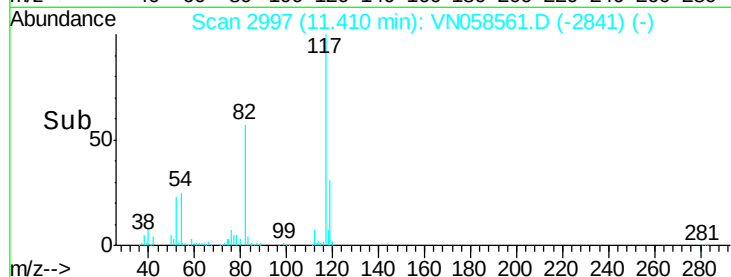
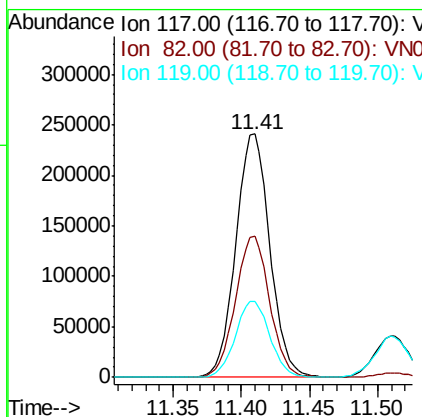
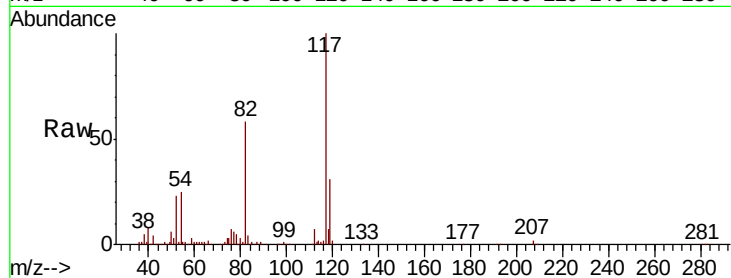
ClientSampleId :

VN1007WBS01

Tot Ion:	117	Resp:	418332
Ion Ratio	Lower	Upper	
117	100		
82	58.4	46.4	69.6
119	31.8	25.1	37.7

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#58

4-Methyl-2-Pentanone

Concen: 104.903 ug/l

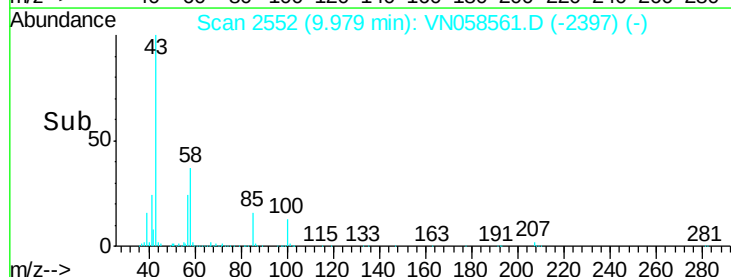
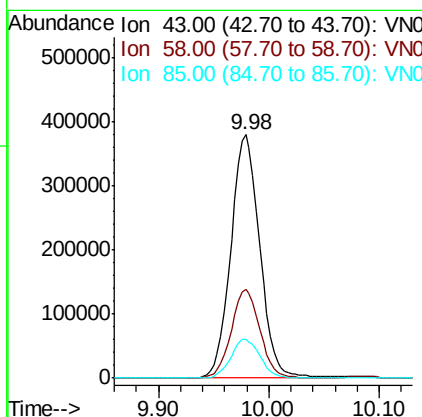
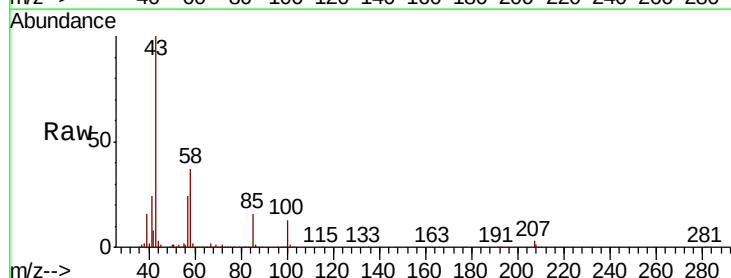
RT: 9.98 min Scan# 2552

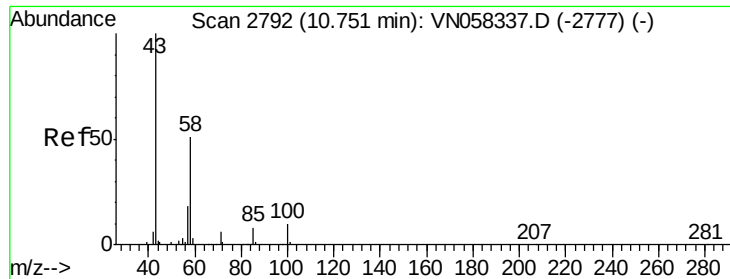
Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:	43	Resp:	687616
Ion Ratio	Lower	Upper	
43	100		
58	36.3	29.3	43.9
85	16.3	13.1	19.7





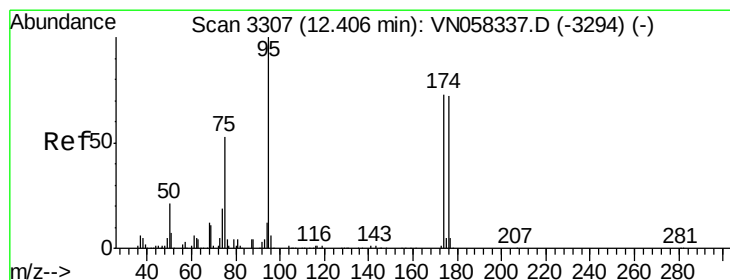
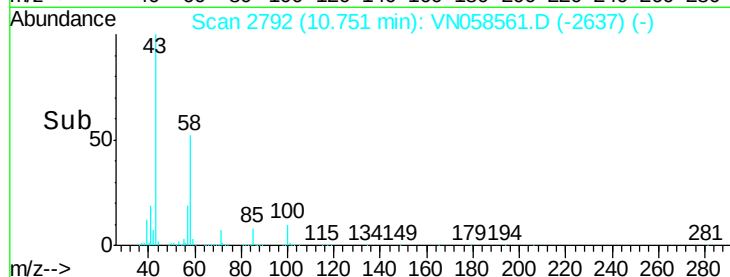
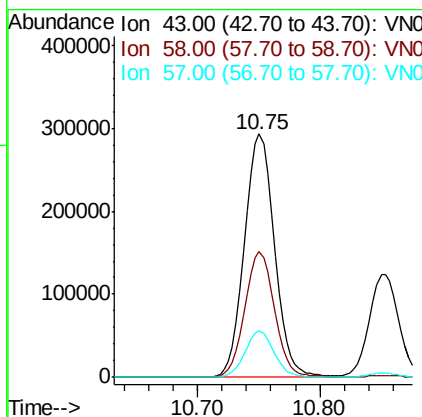
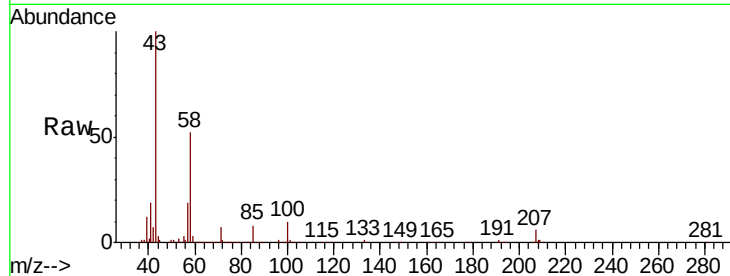
#59
2-Hexanone
Concen: 99.975 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.1	40.7	61.1
57	18.4	14.7	22.1

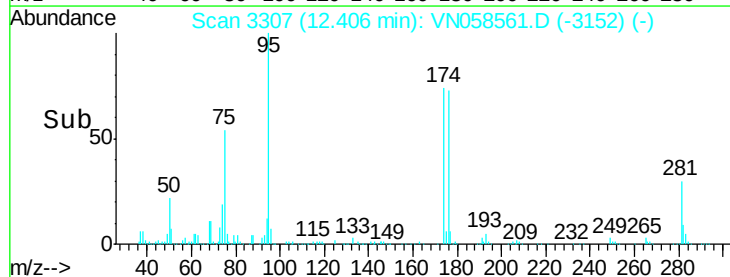
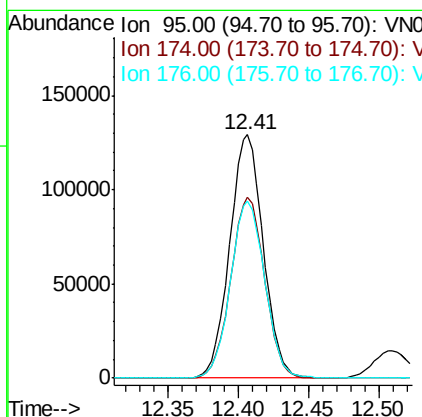
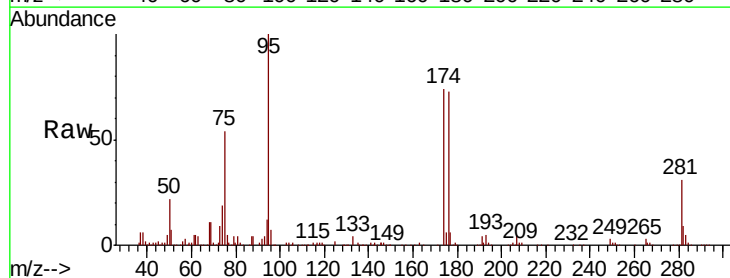
Manual Integrations
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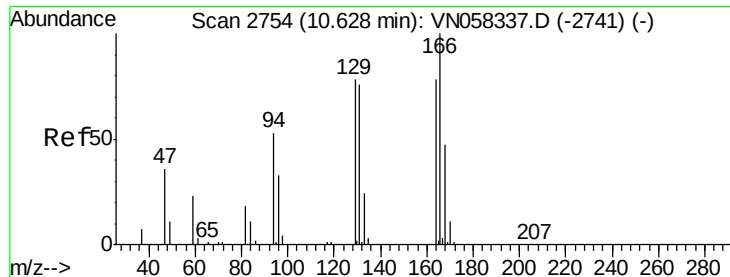
MMDadoda
10/9/2019 10:50:20 AM



#60
4-Bromofluorobenzene
Concen: 29.750 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	59.0	88.6
176	74.1	58.2	87.2





#61

Tetrachloroethene

Concen: 21.581 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

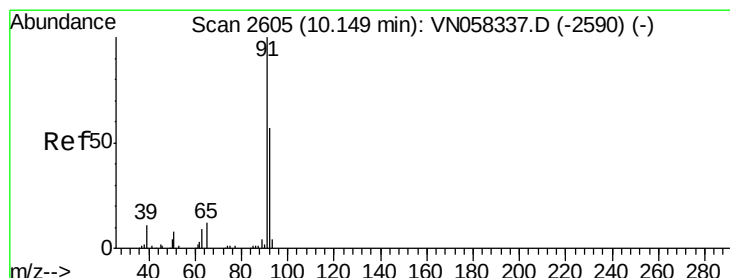
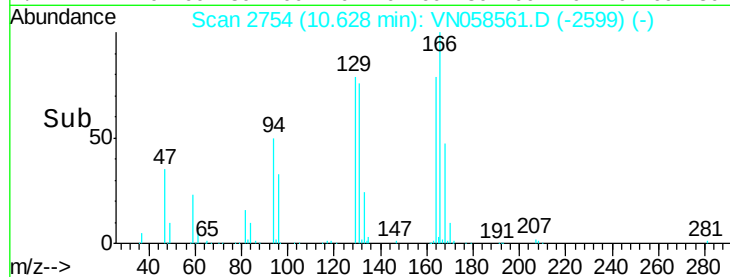
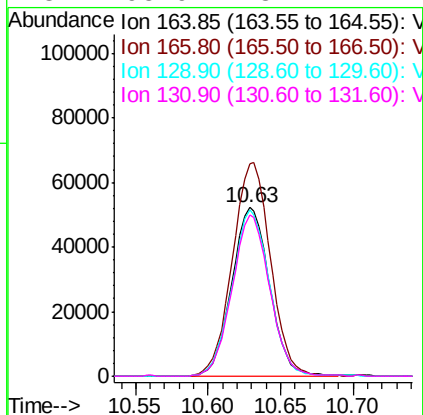
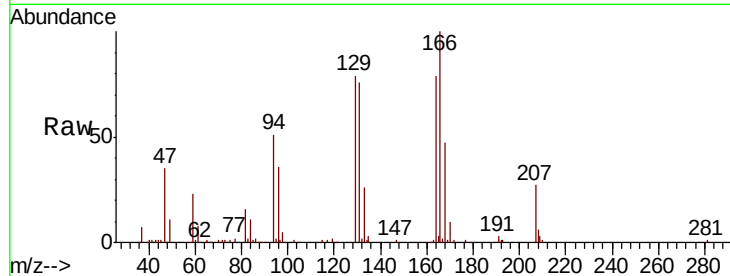
ClientSampled :

VN1007WBS01

Tot Ion:	164	Resp:	94581
Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.6	154.0
129	99.0	79.8	119.6
131	95.9	78.1	117.1

Manual Integrations
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#62

Toluene

Concen: 20.759 ug/l

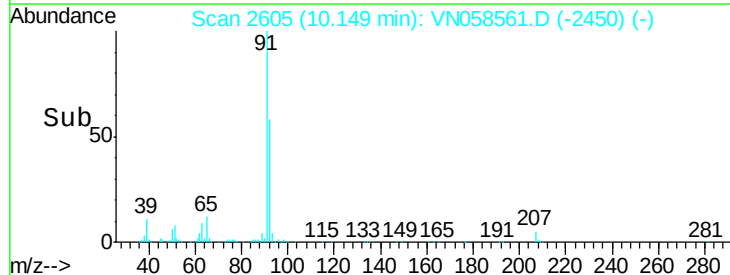
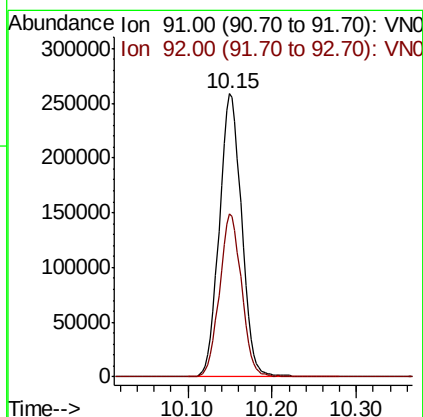
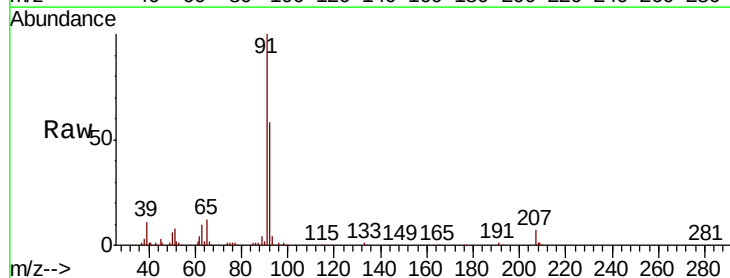
RT: 10.15 min Scan# 2605

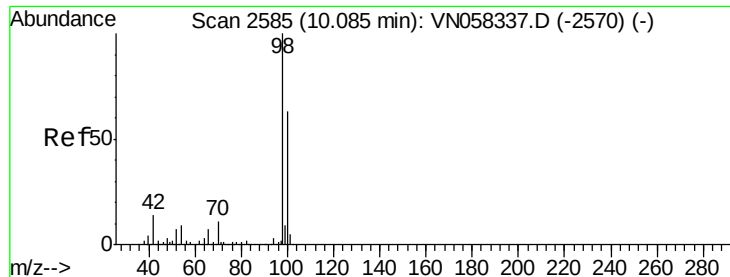
Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:	91	Resp:	475610
Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.5	68.3





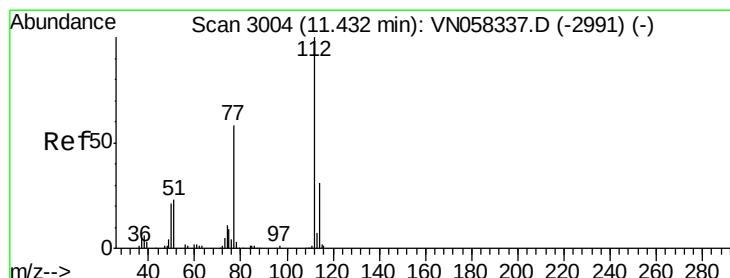
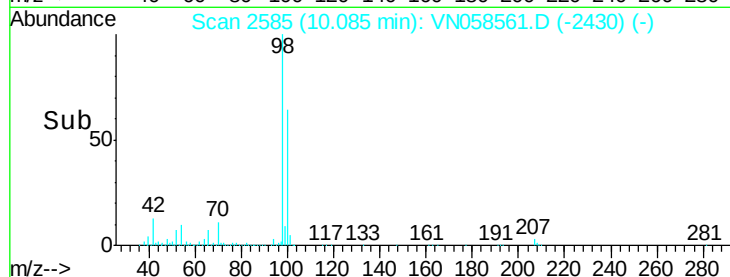
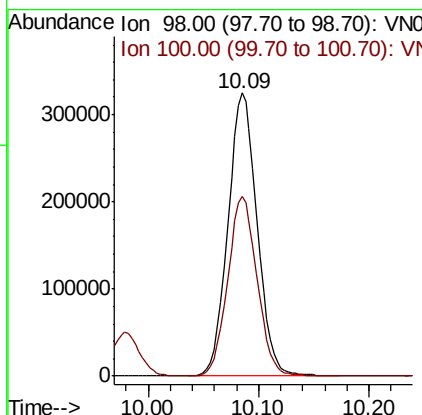
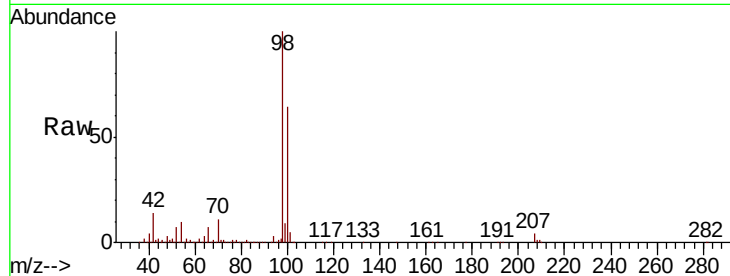
#63
Toluene-d8
Concen: 29.818 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion: 98 Resp: 595292
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

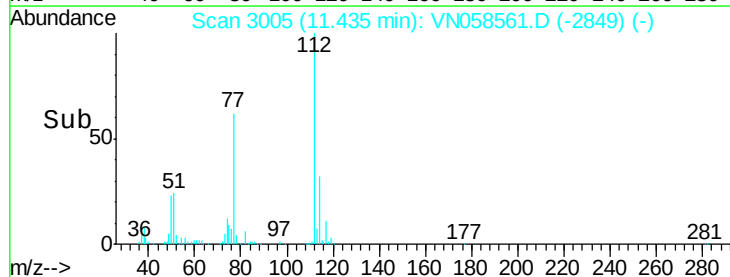
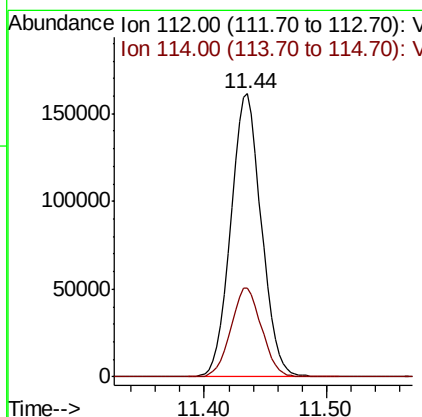
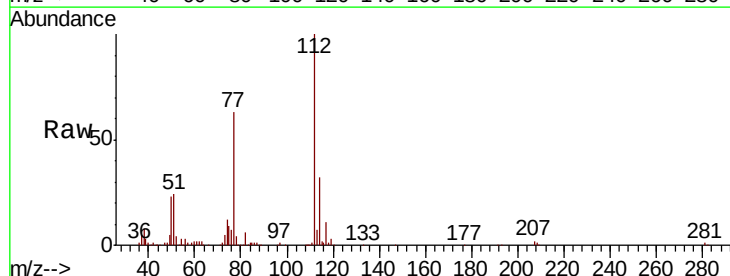
Manual Integrations
APPROVED

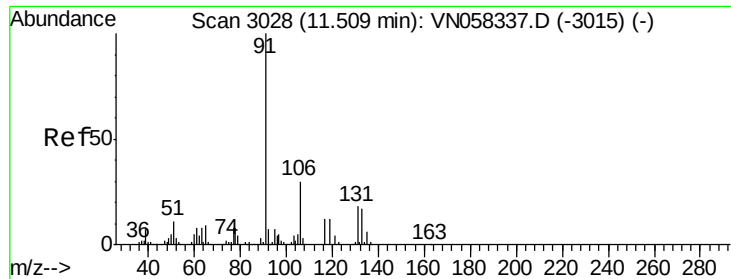
MMDadoda
10/9/2019 10:50:20 AM



#64
Chlorobenzene
Concen: 19.986 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion: 112 Resp: 281385
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 21.107 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

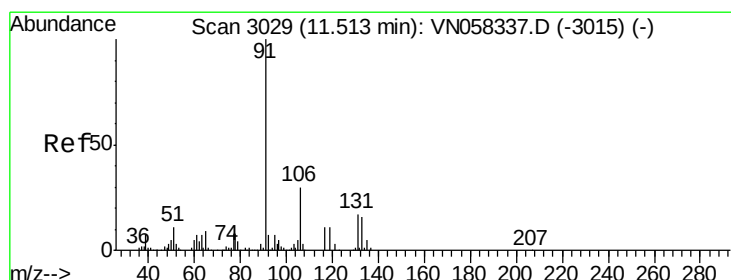
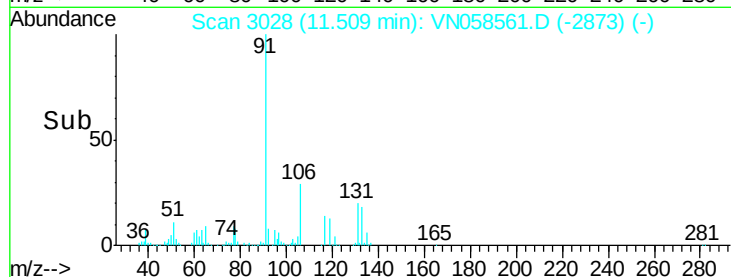
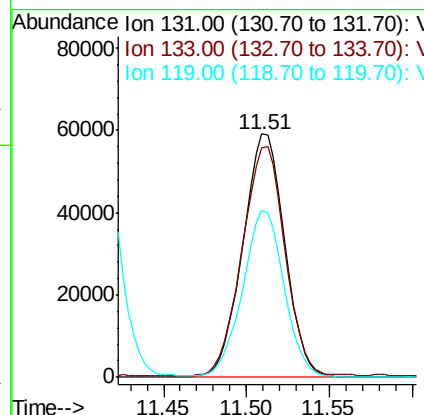
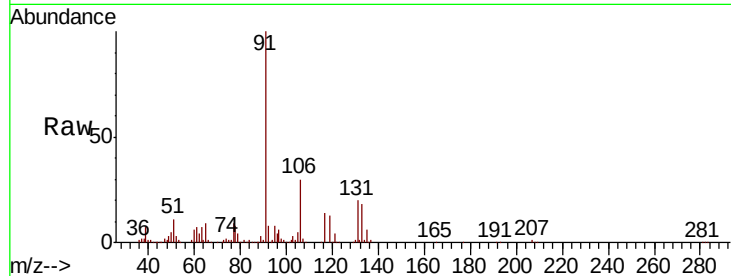
ClientSampleId :

VN1007WBS01

Tot Ion:	131	Resp:	104179
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	191.8
119	67.9	0.0	134.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.988 ug/l

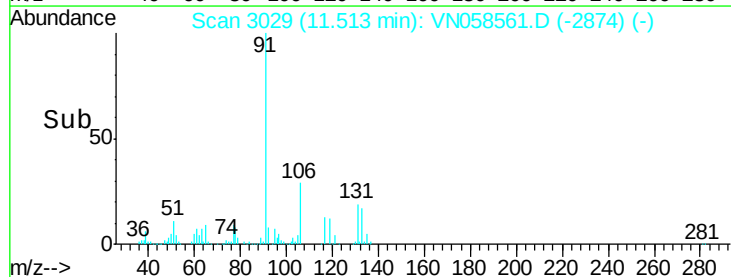
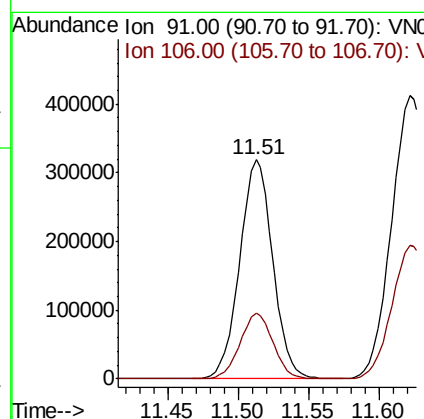
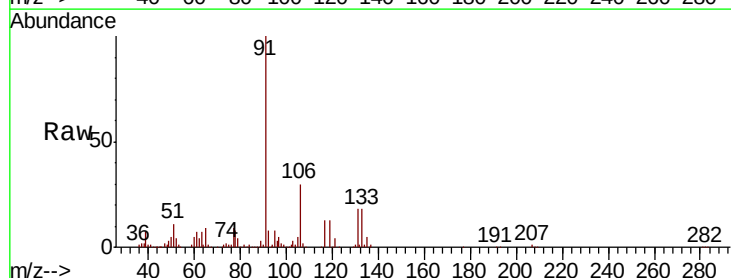
RT: 11.51 min Scan# 3029

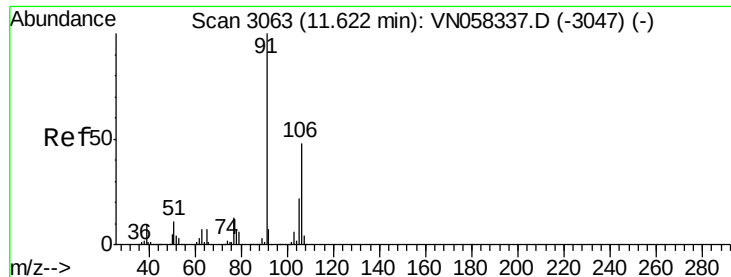
Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:	91	Resp:	524333
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.2	36.4





#67

m/p-Xylenes

Concen: 39.612 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion:106 Resp: 379928

Ion Ratio Lower Upper

106 100

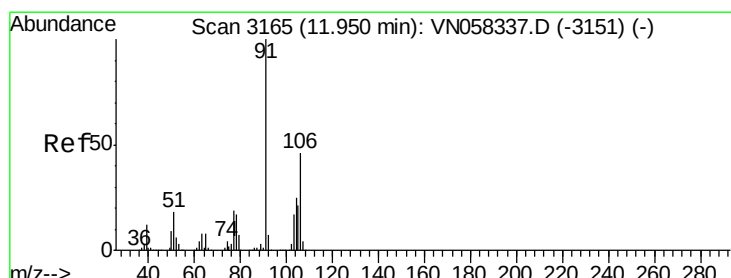
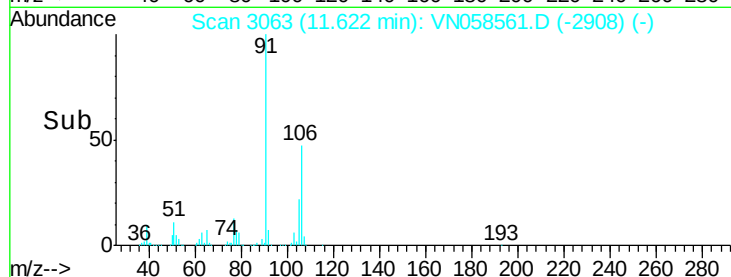
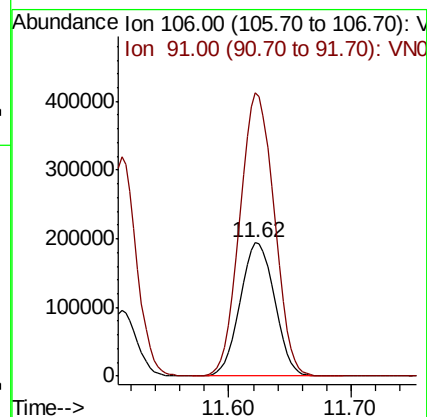
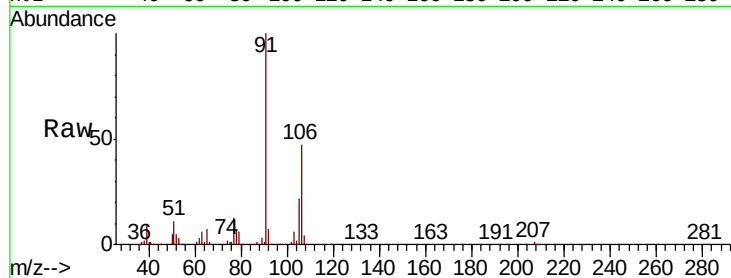
91 211.6 167.8 251.6

Manual Integrations

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#68

o-Xylene

Concen: 19.784 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058561.D

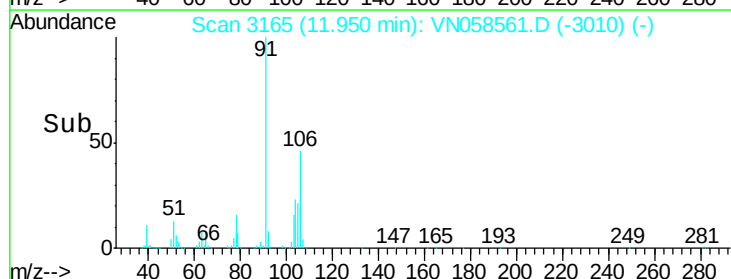
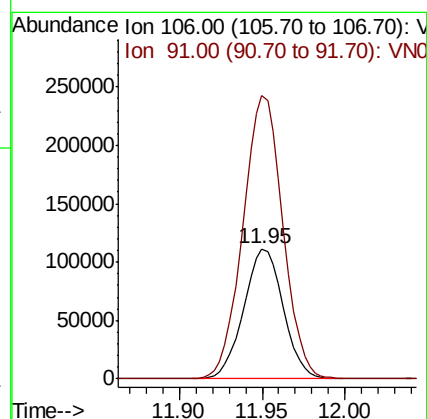
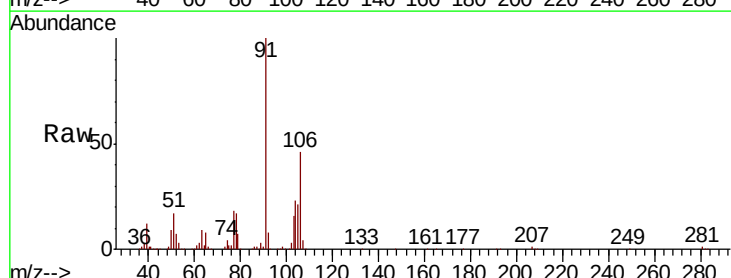
Acq: 7 Oct 2019 12:56

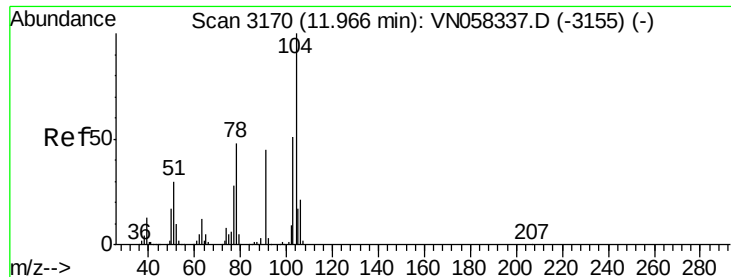
Tgt Ion:106 Resp: 184514

Ion Ratio Lower Upper

106 100

91 219.6 108.7 325.9





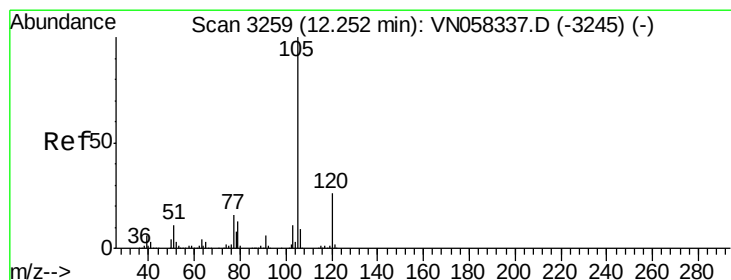
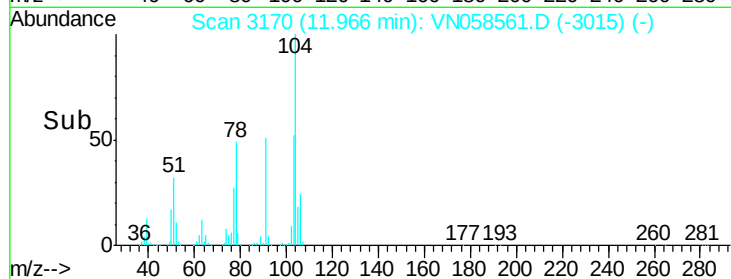
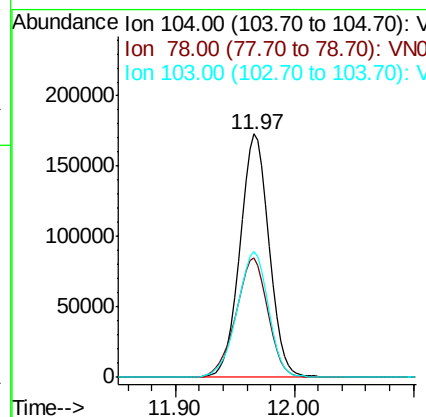
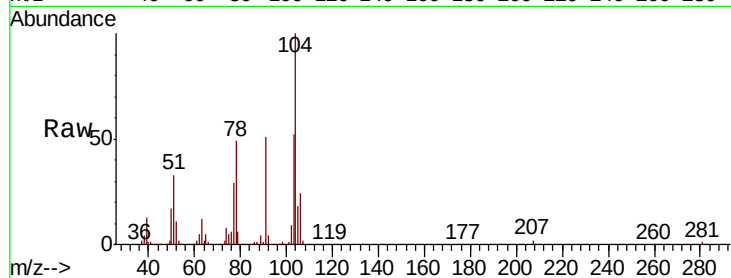
#69
Stvrene
Concen: 18.807 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	42.3	63.5
103	55.4	44.1	66.1

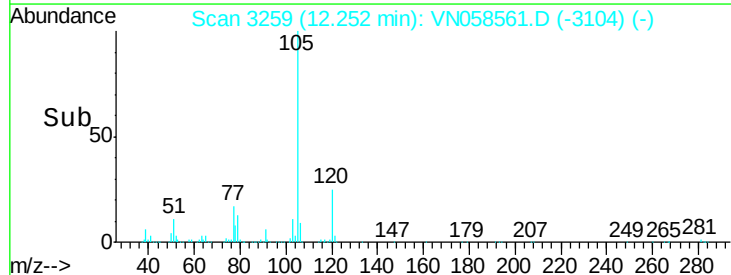
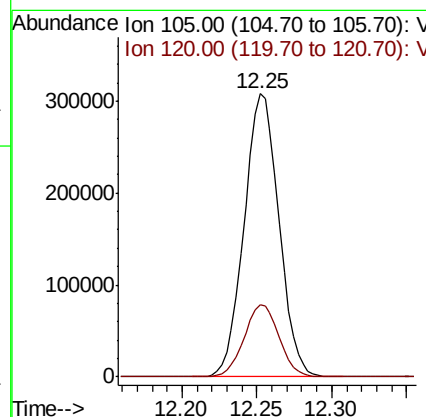
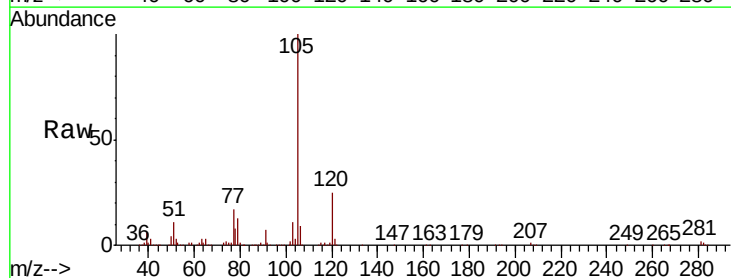
Manual Integrations
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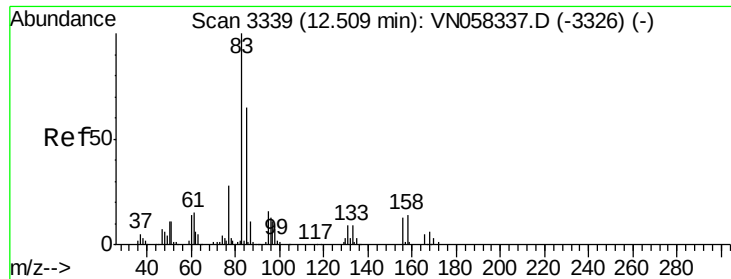
MMDadoda
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#70
Isopropylbenzene
Concen: 20.654 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	18.2	33.8





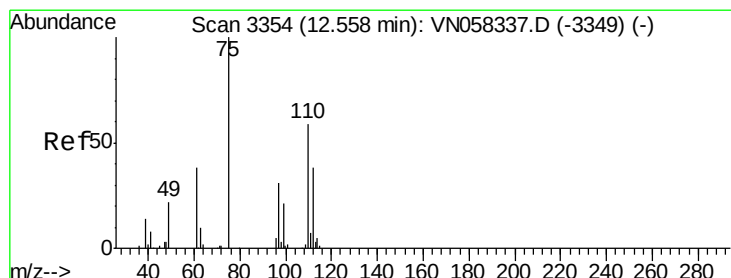
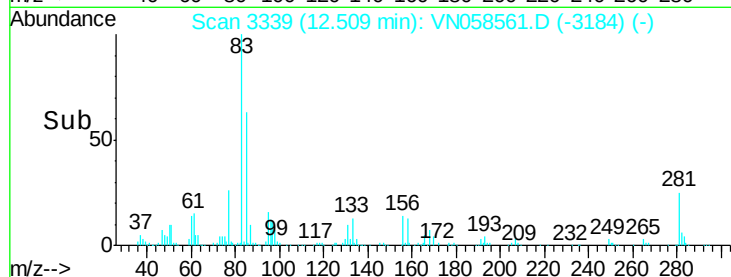
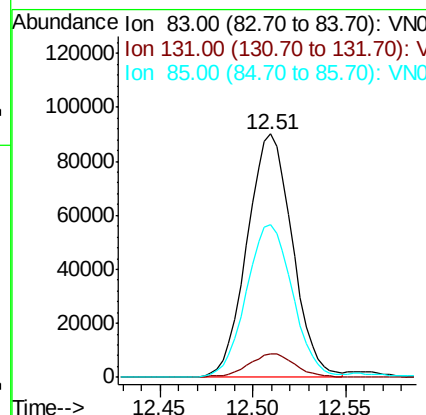
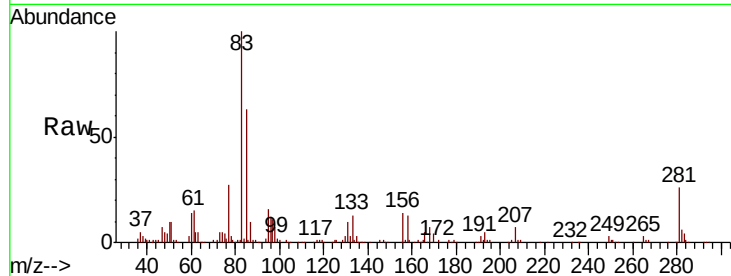
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.878 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.3
85	64.0	32.6	97.7

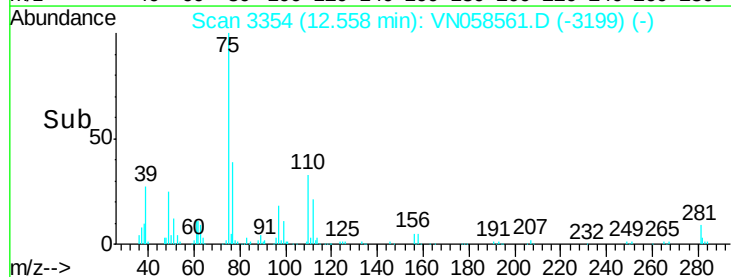
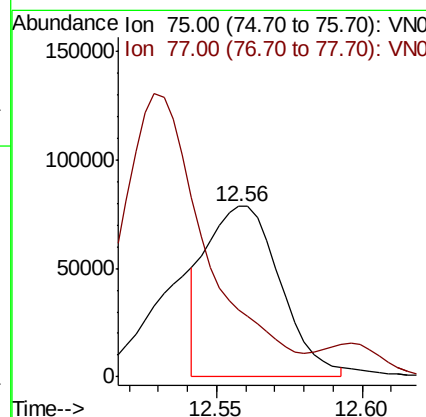
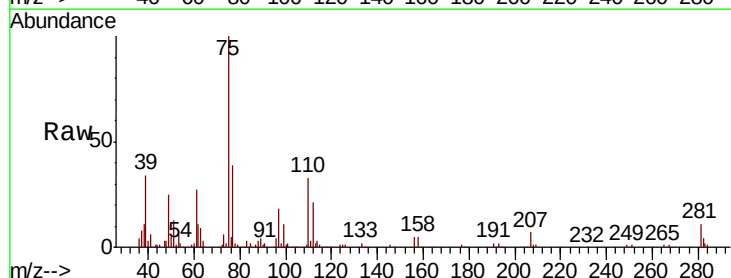
Manual Integrations
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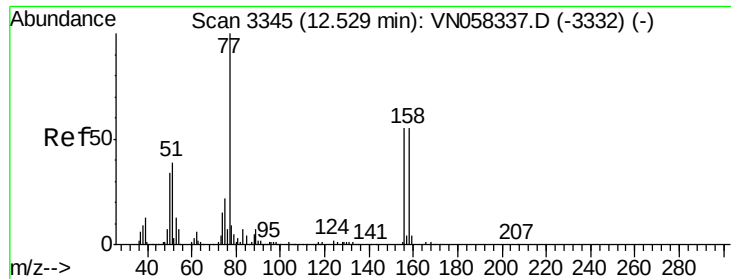
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 10/9/2019 10:50:20 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.759 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	192.3	0.0	382.4





#73

Bromobenzene

Concen: 20.021 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

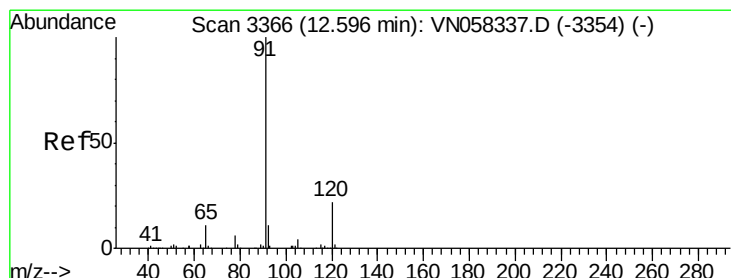
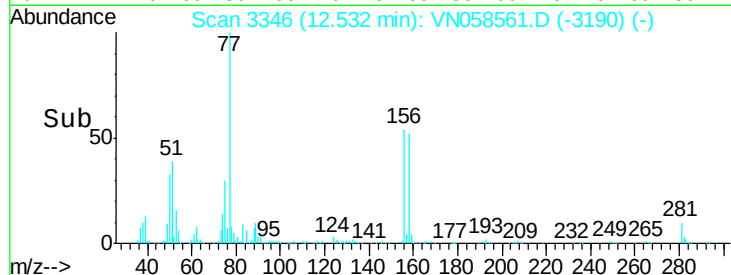
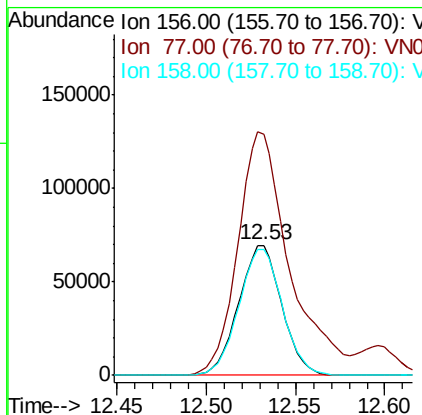
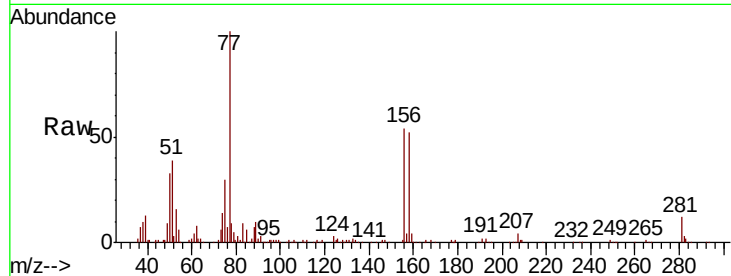
ClientSampleId :

VN1007WBS01

Tot Ion:	156	Resp:	117204
Ion Ratio	Lower	Upper	
156	100		
77	225.0	0.0	438.8
158	98.2	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 21.349 ug/l

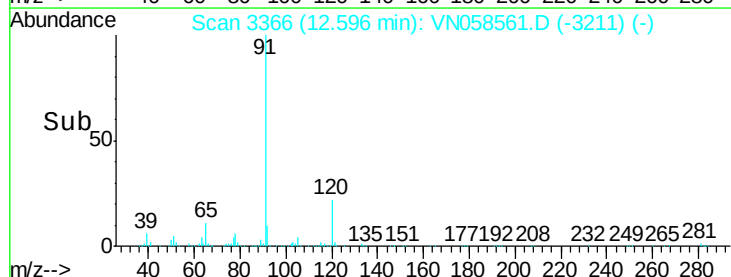
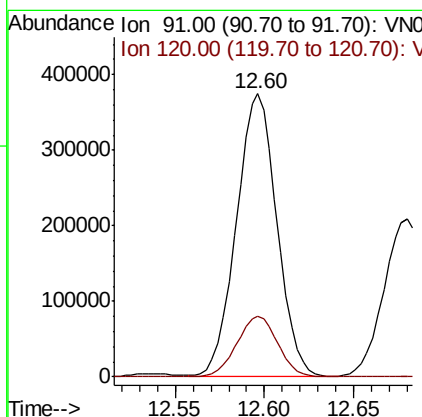
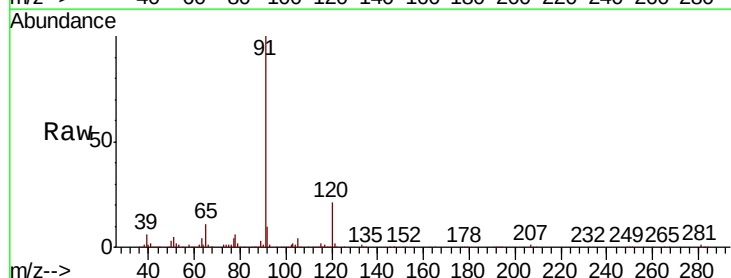
RT: 12.60 min Scan# 3366

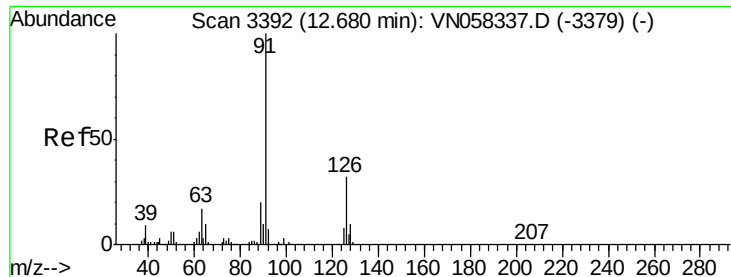
Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Tgt Ion:	91	Resp:	594837
Ion Ratio	Lower	Upper	
91	100		
120	21.6	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.076 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampled :

VN1007WBS01

Tot Ion: 91 Resp: 349913

Ion Ratio Lower Upper

91 100

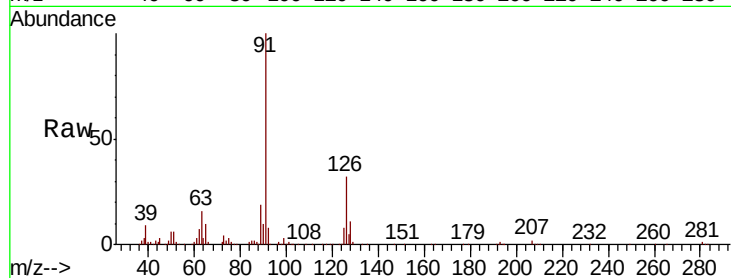
126 32.5 0.0 65.0

Manual Integrations

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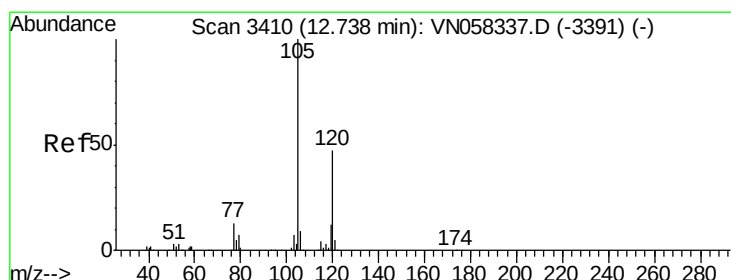
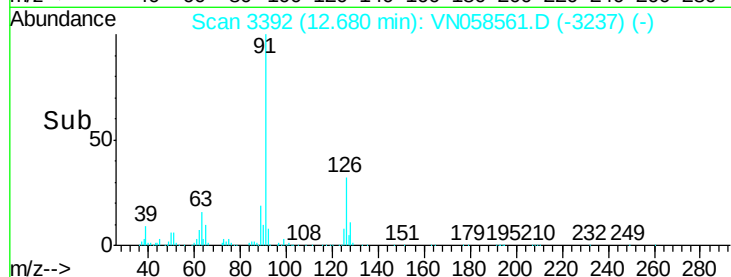
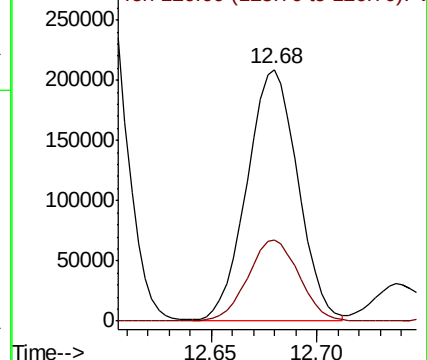
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 20.428 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058561.D

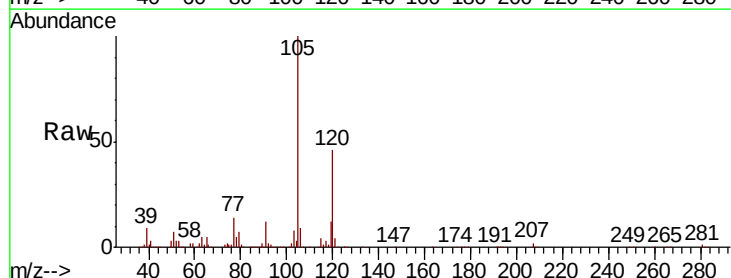
Acq: 7 Oct 2019 12:56

Tgt Ion: 105 Resp: 425128

Ion Ratio Lower Upper

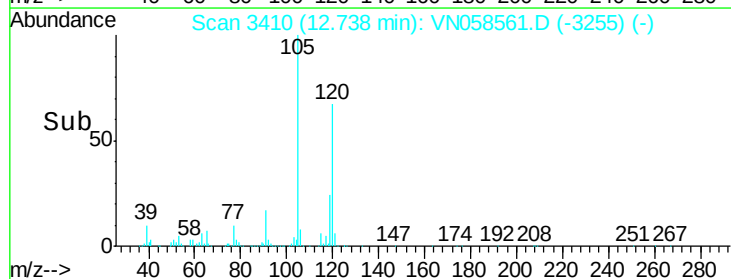
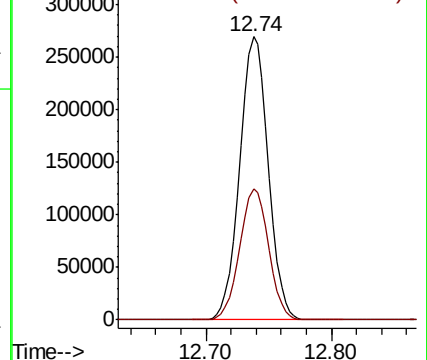
105 100

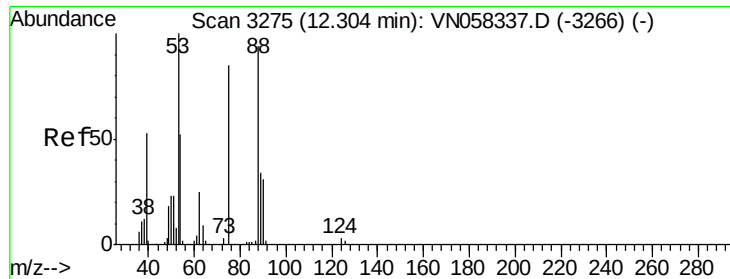
120 47.0 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





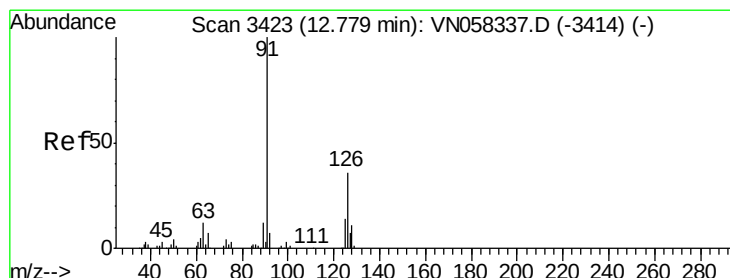
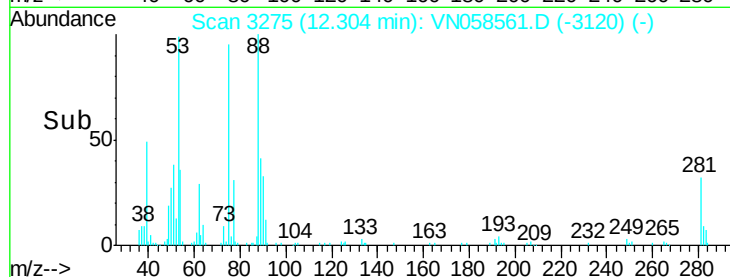
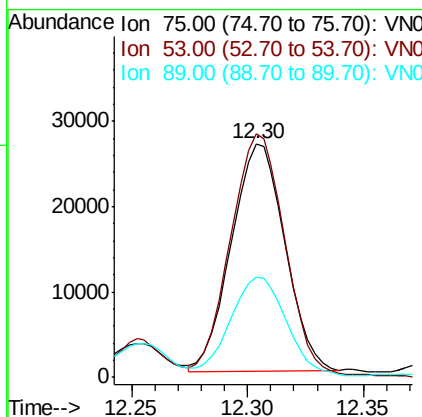
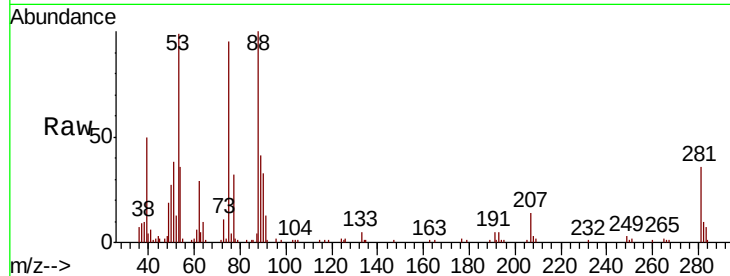
#77
t-1,4-Dichloro-2-butene
Concen: 19.801 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.3	59.0	176.8
89	43.0	21.6	65.0

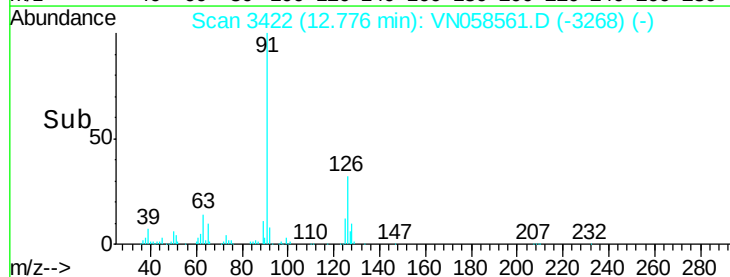
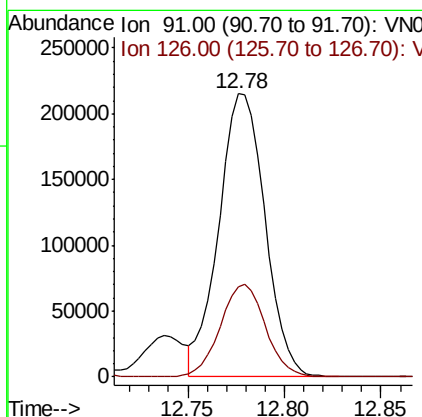
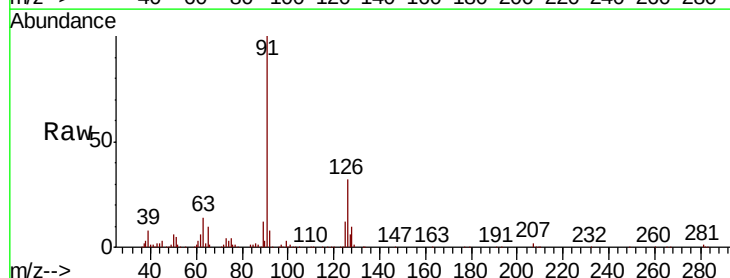
Manual Integrations
APPROVED

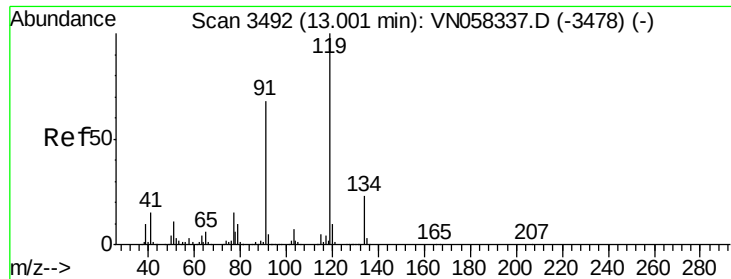
MMDadoda
10/9/2019 10:50:20 AM



#78
4-Chlorotoluene
Concen: 19.905 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	0.0	63.8





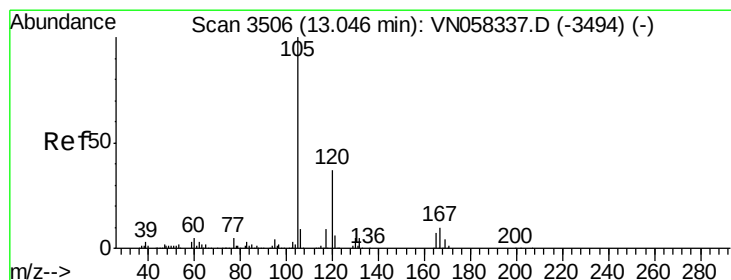
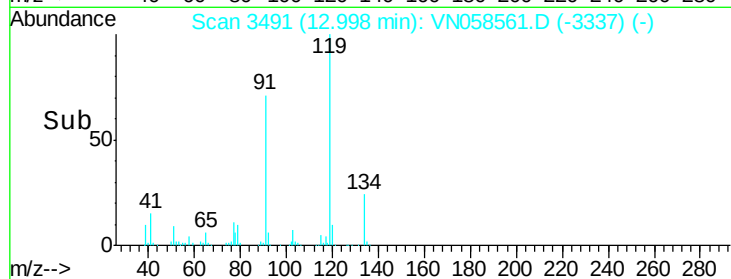
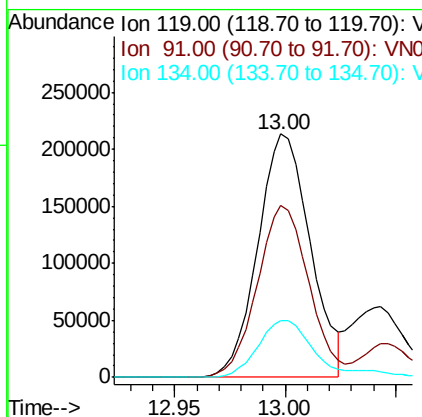
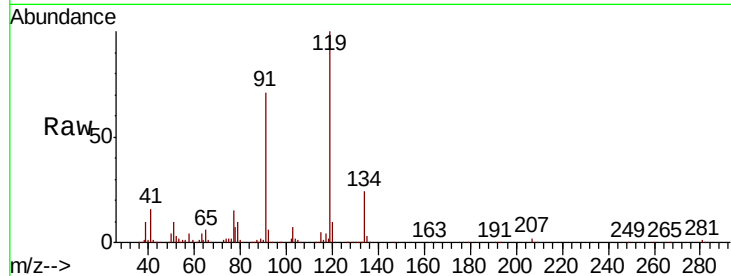
#79
 tert-butylbenzene
 Concen: 19.453 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	350506		
91	69.6	0.0	138.2	
134	24.3	0.0	46.8	

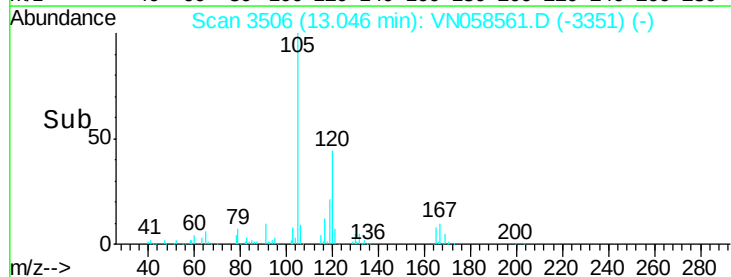
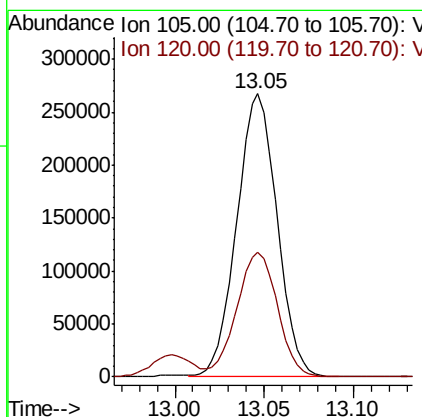
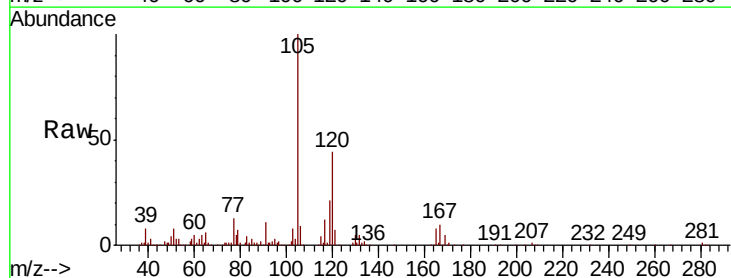
Manual Integrations
 APPROVED

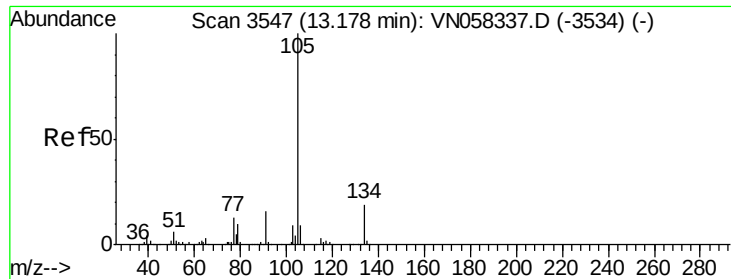
MMDadoda
 10/9/2019 10:50:20 AM



#80
 1,2,4-Trimethylbenzene
 Concen: 20.225 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	420119		
120	44.5	0.0	86.6	





#81

sec-Butylbenzene

Concen: 20.165 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBS01

Tot Ion:105 Resp: 476551

Ion Ratio Lower Upper

105 100

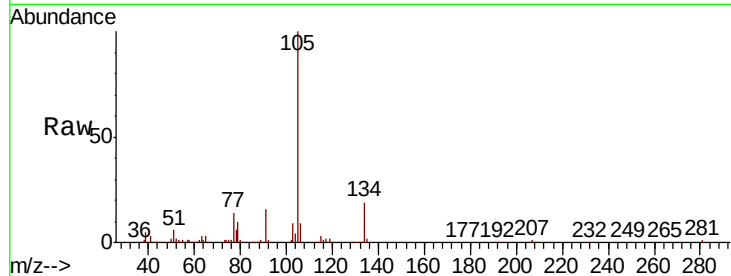
134 19.1 0.0 38.2

Manual Integrations

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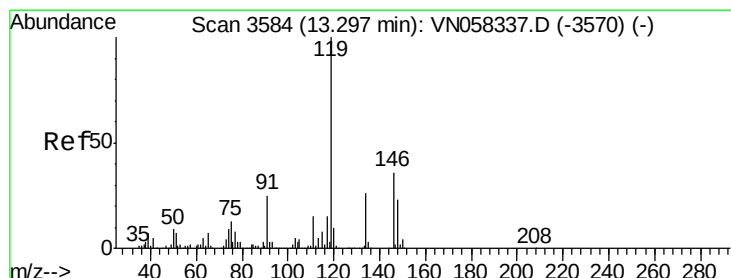
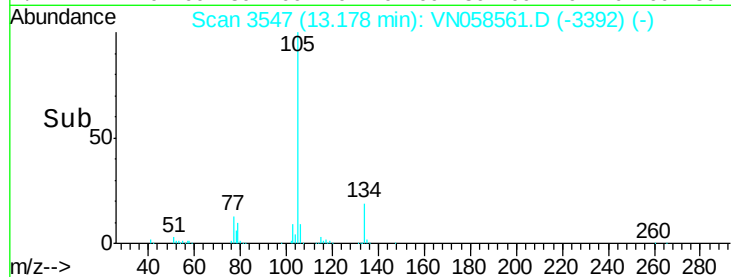
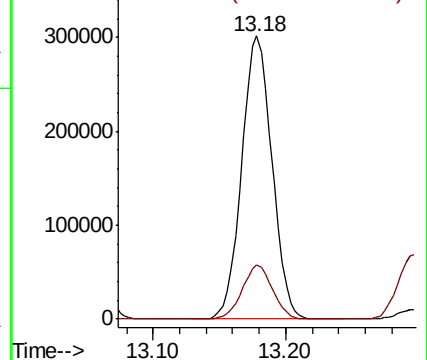
MMDadoda

10/9/2019 10:50:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.976 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058561.D

Acq: 7 Oct 2019 12:56

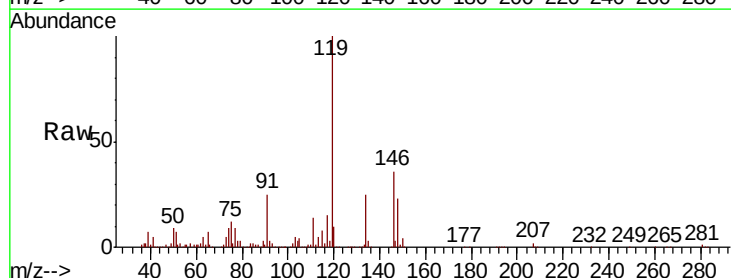
Tgt Ion:119 Resp: 425125

Ion Ratio Lower Upper

119 100

134 25.6 0.0 51.6

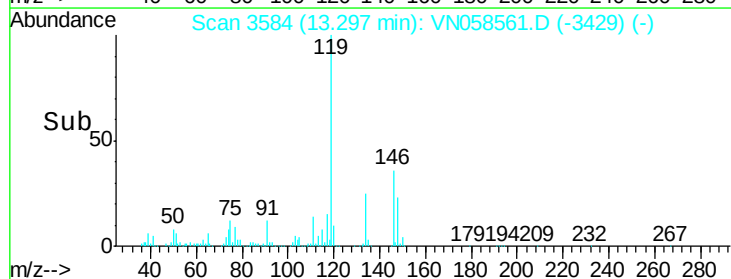
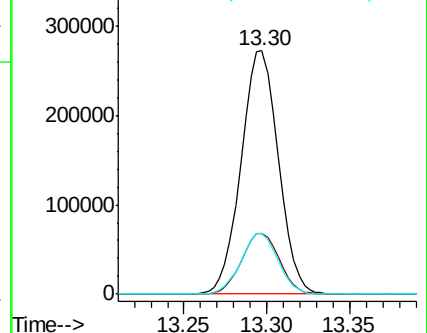
91 24.8 0.0 49.6

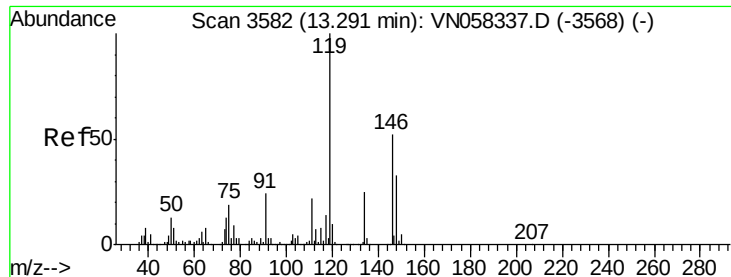


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





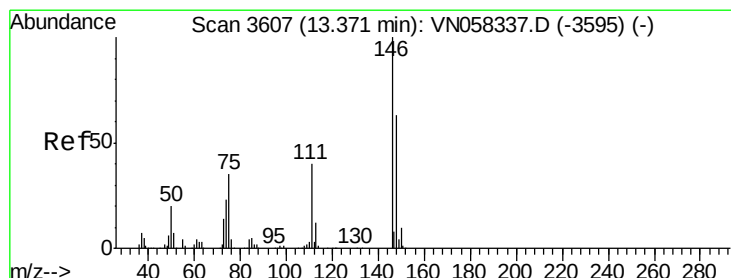
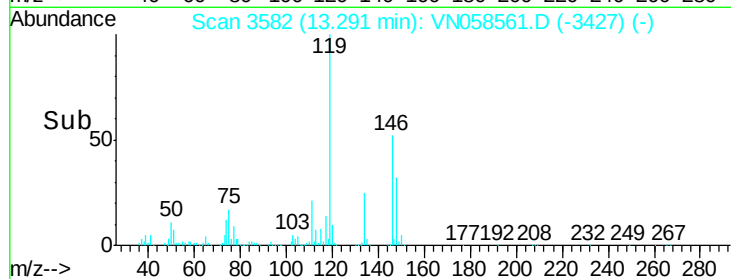
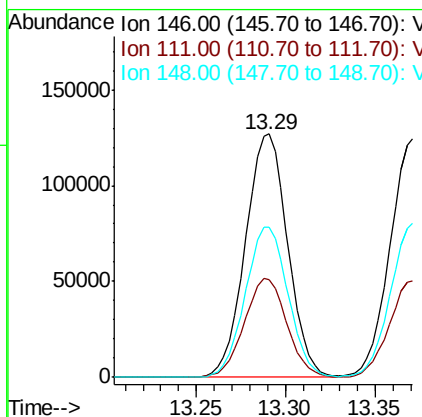
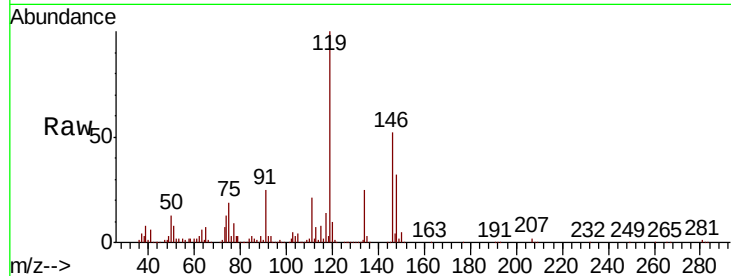
#83
1,3-Dichlorobenzene
Concen: 19.411 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.9	62.8
148	62.6	32.0	96.2

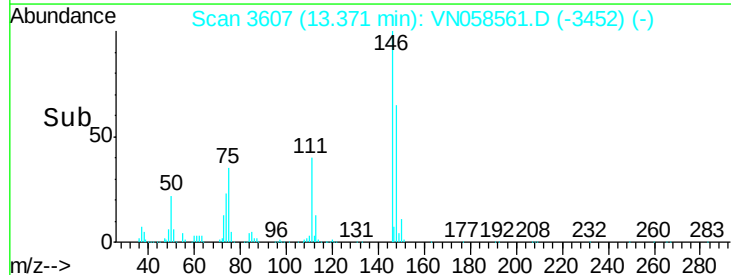
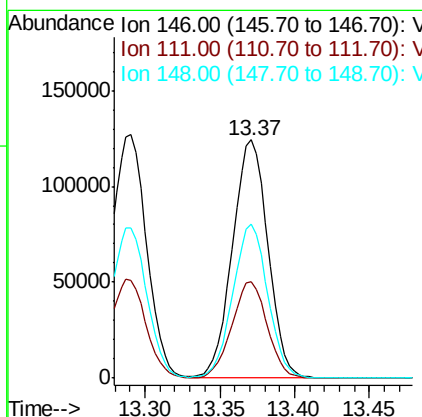
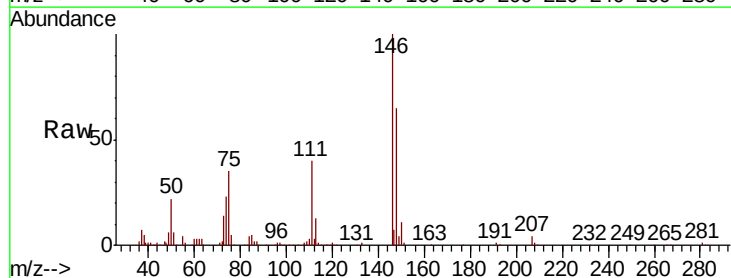
Manual Integrations
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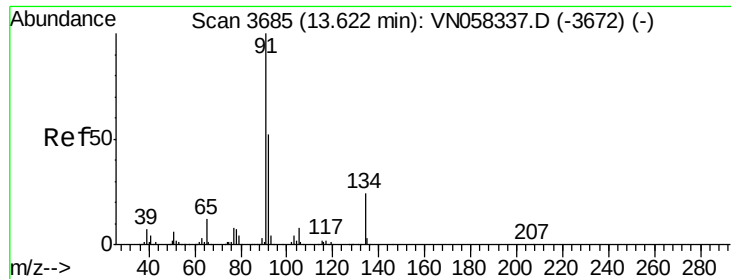
MMDadoda
10/9/2019 10:50:20 AM



#84
1,4-Dichlorobenzene
Concen: 19.096 ug/l
RT: 13.37 min Scan# 3607
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	64.0	31.9	95.7





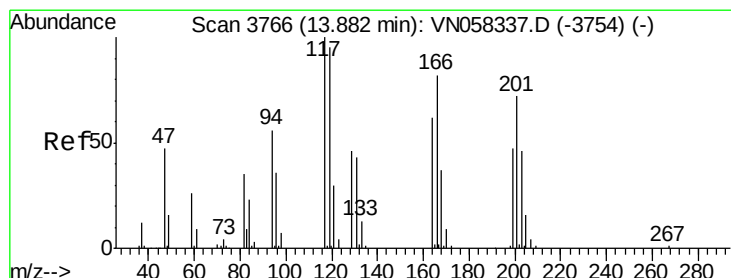
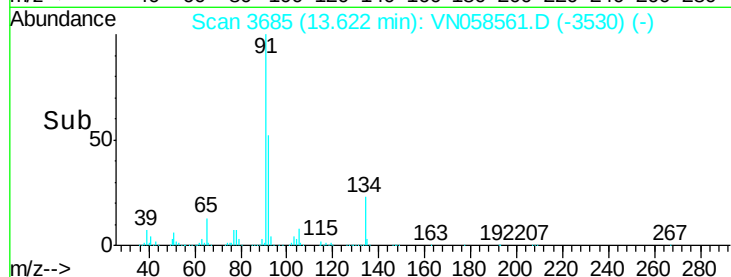
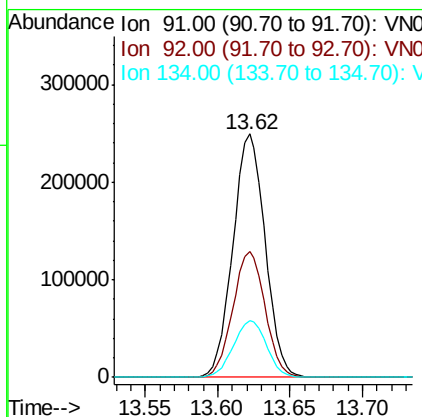
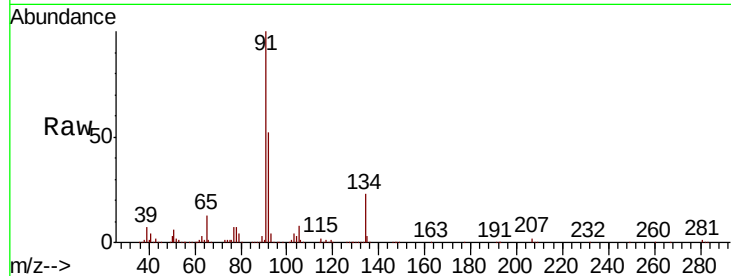
#85
n-Butylbenzene
Concen: 19.487 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	385314		
92	51.5	0.0	102.6	
134	23.9	0.0	47.8	

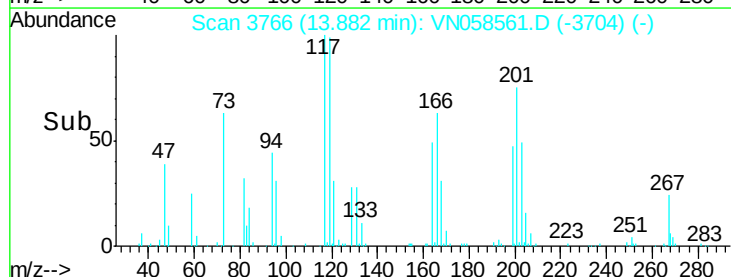
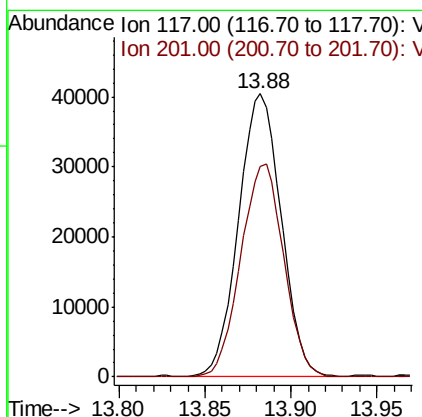
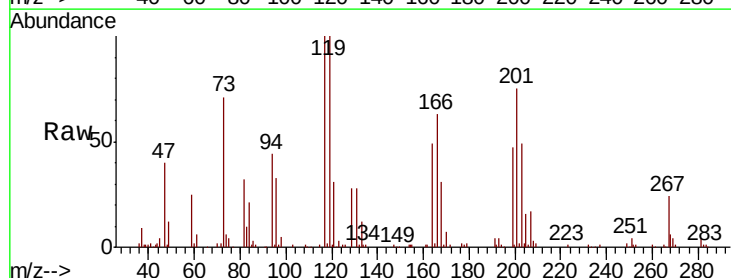
Manual Integrations
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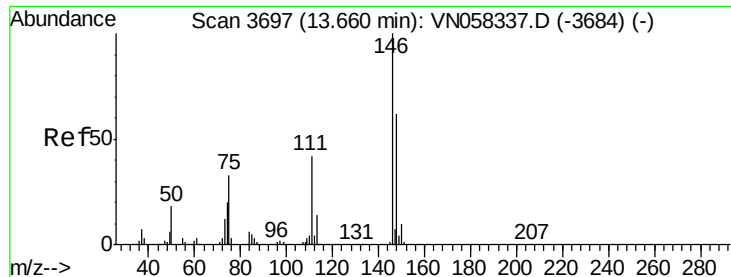
MMDadoda
10/9/2019 10:50:20 AM



#86
Hexachloroethane
Concen: 20.323 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69860		
201	75.5	37.2	111.6	





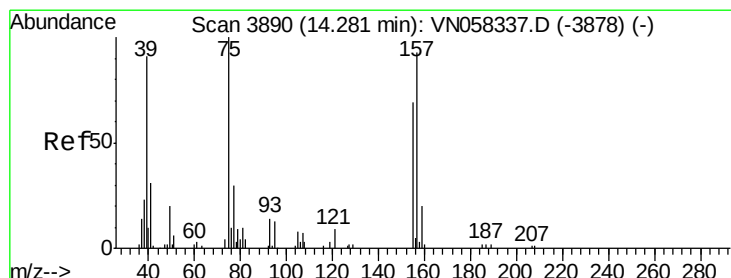
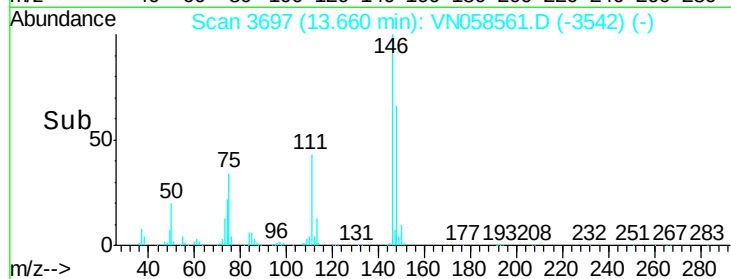
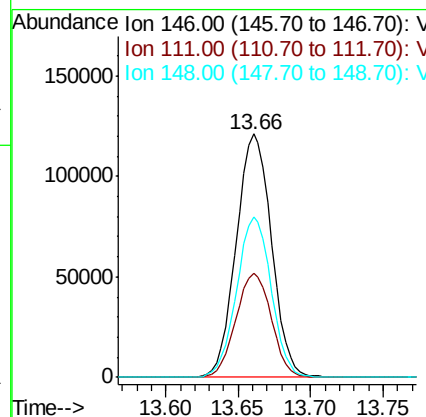
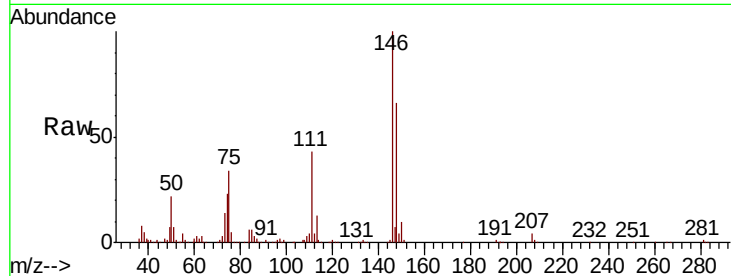
#87
 1,2-Dichlorobenzene
 Concen: 19.437 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204991		
111	43.0	21.1	63.3	
148	64.6	31.9	95.7	

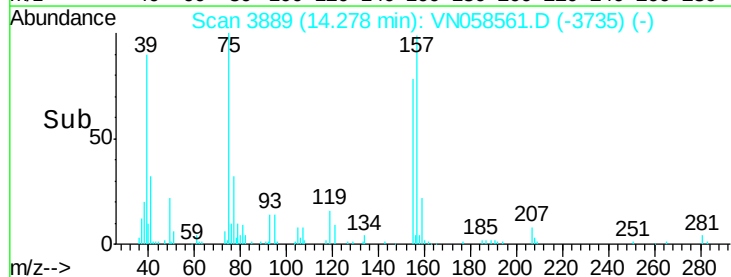
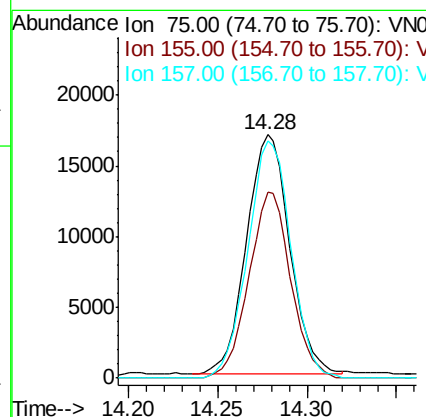
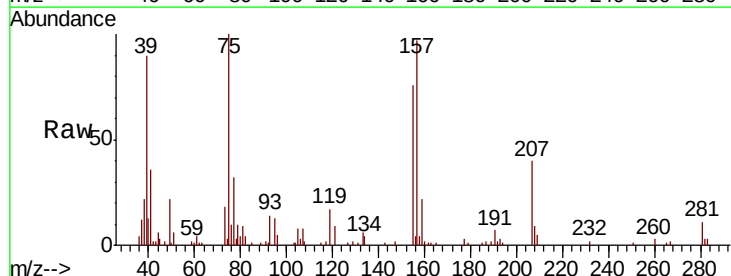
Manual Integrations
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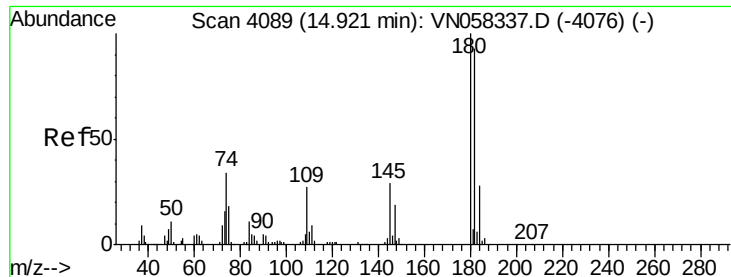
MMDadoda
 10/9/2019 10:50:20 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.163 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28730		
155	74.8	58.5	87.7	
157	98.5	75.4	113.2	





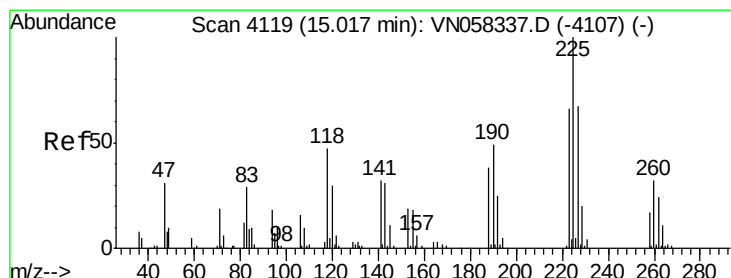
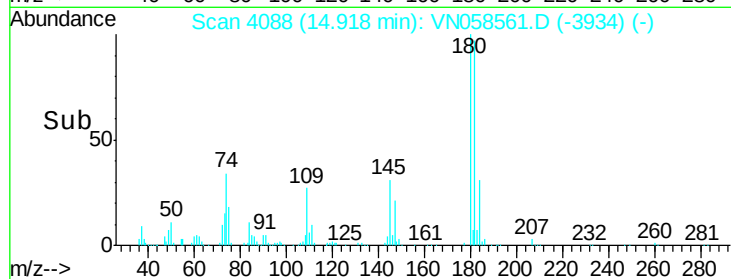
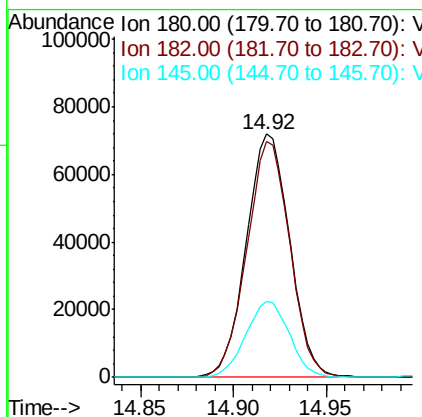
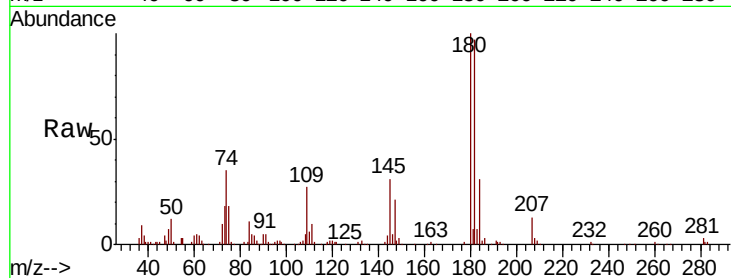
#89
 1,2,4-Trichlorobenzene
 Concen: 16.998 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117115		
182	96.1	75.2	112.8	
145	31.4	25.1	37.7	

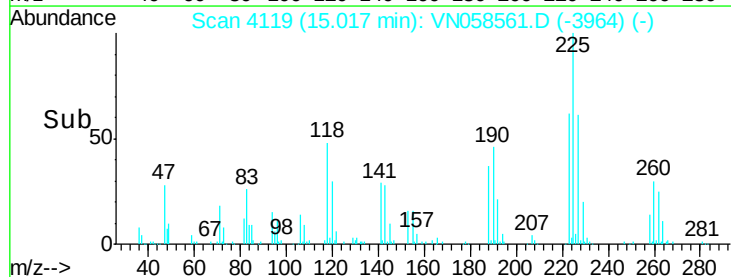
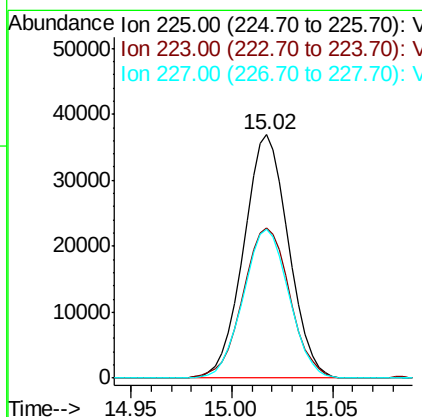
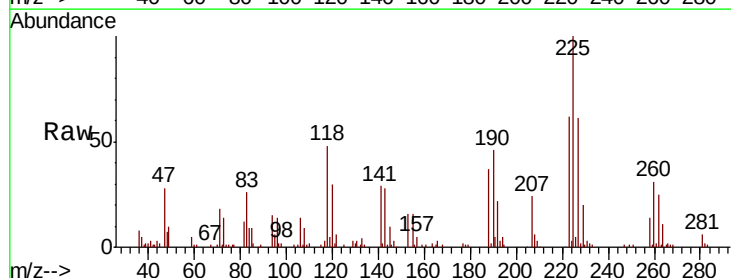
Manual Integrations
 APPROVED

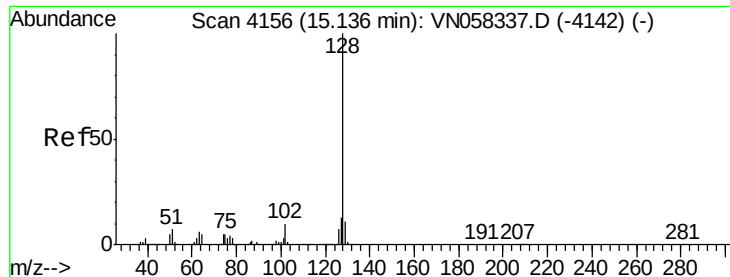
MMDadoda
 10/9/2019 10:50:20 AM



#90
 Hexachlorobutadiene
 Concen: 17.236 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058561.D
 Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57463		
223	64.5	0.0	132.6	
227	62.5	0.0	129.2	





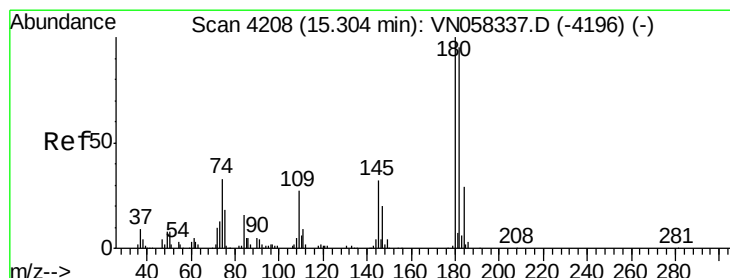
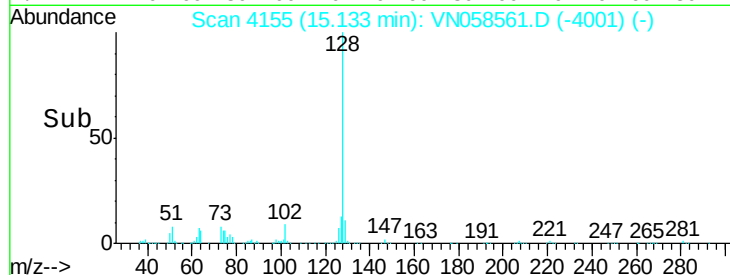
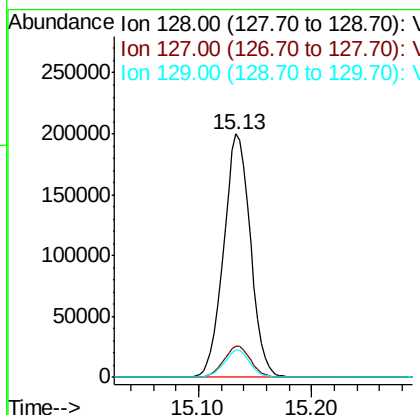
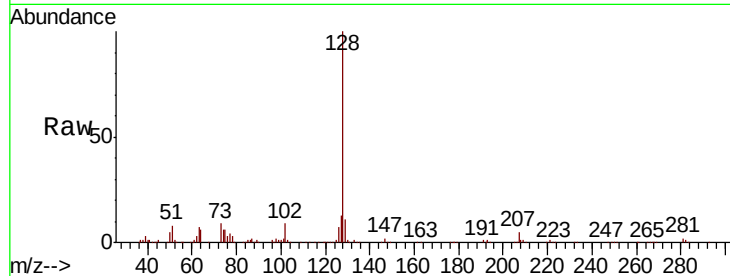
#91
Naphthalene
Concen: 17.362 ug/l
RT: 15.13 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.112 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058561.D
Acq: 7 Oct 2019 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.2	0.0	189.4
145	32.1	0.0	64.0

