

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
 Data File : VN058844.D
 Acq On : 18 Oct 2019 9:15
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 10:43:39 AM

Quant Time: Oct 19 00:03:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 18 23:49:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	365896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	596399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	28220	5.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.92%	
35) Dibromofluoromethane	7.57	113	19492	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
50) Toluene-d8	10.08	98	72285	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.40	95	24344	4.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	23065	5.072	ug/l	98
3) Chloromethane	2.04	50	28512	5.214	ug/l	97
4) Vinyl Chloride	2.17	62	28614	5.259	ug/l	98
5) Bromomethane	2.54	94	18553	5.540	ug/l	100
6) Chloroethane	2.68	64	18804	5.573	ug/l	99
7) Trichlorofluoromethane	3.00	101	37450	5.674	ug/l	98
8) Diethyl Ether	3.39	74	11935	5.001	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20782	5.599	ug/l	97
10) Methyl Iodide	3.93	142	24246	4.822	ug/l	99
11) Tert butyl alcohol	4.76	59	23713	28.094	ug/l #	77
12) 1,1-Dichloroethene	3.71	96	18062	5.118	ug/l	97
13) Acrolein	3.58	56	11900	17.942	ug/l	99
14) Allyl chloride	4.30	41	37842	5.289	ug/l	97
15) Acrylonitrile	4.96	53	57479	27.043	ug/l	98
16) Acetone	3.80	43	61976	27.743	ug/l	98
17) Carbon Disulfide	4.02	76	57896	5.100	ug/l	99
18) Methyl Acetate	4.30	43	32298	5.922	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	60897m	4.835	ug/l	
20) Methylene Chloride	4.53	84	23818	5.349	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	20220	5.126	ug/l	100
22) Diisopropyl ether	5.92	45	70419	5.051	ug/l	89
23) Vinyl Acetate	5.87	43	277588	24.669	ug/l	98
24) 1,1-Dichloroethane	5.82	63	42448	5.371	ug/l	98
25) 2-Butanone	6.81	43	85492	27.117	ug/l	100
26) 2,2-Dichloropropane	6.81	77	36581	5.076	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	23139	5.018	ug/l	97
28) Bromochloromethane	7.17	49	14637	5.332	ug/l	98
29) Tetrahydrofuran	7.19	42	51082	25.316	ug/l	99
30) Chloroform	7.35	83	42796	5.373	ug/l	97
31) Cyclohexane	7.63	56	41745	5.505	ug/l #	89
32) 1,1,1-Trichloroethane	7.55	97	36460	5.384	ug/l	98
36) 1,1-Dichloropropene	7.77	75	29289	4.809	ug/l	99
37) Ethyl Acetate	6.91	43	31370	5.037	ug/l	97
38) Carbon Tetrachloride	7.75	117	32065	5.403	ug/l	99

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	31856	4.532	ug/l	97
40) Benzene	8.02	78	89196	5.088	ug/l	96
41) Methacrylonitrile	7.16	41	13572m	4.803	ug/l	
42) 1,2-Dichloroethane	8.11	62	35400	5.263	ug/l	98
43) Isopropyl Acetate	8.15	43	51097	4.854	ug/l	94
44) Trichloroethene	8.82	130	22823	5.272	ug/l	89
45) 1,2-Dichloropropane	9.10	63	24354	5.183	ug/l	95
46) Dibromomethane	9.20	93	15840	5.335	ug/l	96
47) Bromodichloromethane	9.39	83	32207	5.316	ug/l	98
48) Methyl methacrylate	9.19	41	21434	4.479	ug/l	96
49) 1,4-Dioxane	9.19	88	8064	108.308	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	153842	25.848	ug/l	99
52) Toluene	10.15	92	50251	4.697	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	32893	4.737	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	35993	4.875	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	22538	5.144	ug/l	96
56) Ethyl methacrylate	10.43	69	27429	4.285	ug/l	96
57) 1,3-Dichloropropane	10.70	76	37902	5.065	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	61571	20.336	ug/l	98
59) 2-Hexanone	10.75	43	112593	24.404	ug/l	96
60) Dibromochloromethane	10.90	129	22562	4.987	ug/l	98
61) 1,2-Dibromoethane	11.00	107	21891	4.984	ug/l	99
64) Tetrachloroethene	10.63	164	19011	4.926	ug/l	96
65) Chlorobenzene	11.43	112	54447	4.862	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	21447	5.175	ug/l	100
67) Ethyl Benzene	11.51	91	93837	4.702	ug/l	100
68) m/p-Xylenes	11.62	106	65465	8.744	ug/l	97
69) o-Xylene	11.95	106	31083	4.296	ug/l	99
70) Styrene	11.97	104	48314	4.076	ug/l	99
71) Bromoform	12.13	173	15204	4.971	ug/l #	97
73) Isopropylbenzene	12.25	105	84544	4.890	ug/l	100
74) N-amyl acetate	12.07	43	35643	4.552	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	31581	5.501	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	30751m	5.766	ug/l	
77) Bromobenzene	12.53	156	22119	5.250	ug/l	97
78) n-propylbenzene	12.59	91	100574	4.986	ug/l	98
79) 2-Chlorotoluene	12.68	91	62414	4.986	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	68137	4.616	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	9425	4.743	ug/l	94
82) 4-Chlorotoluene	12.78	91	62831	4.894	ug/l	97
83) tert-Butylbenzene	13.00	119	60406	4.778	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	67918	4.629	ug/l	100
85) sec-Butylbenzene	13.17	105	79461	4.765	ug/l	98
86) p-Isopropyltoluene	13.29	119	66411	4.393	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	38947	5.030	ug/l	96
88) 1,4-Dichlorobenzene	13.37	146	37971	4.817	ug/l	94
89) n-Butylbenzene	13.62	91	61124	4.372	ug/l	98
90) Hexachloroethane	13.88	117	15110	5.531	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	36422	4.816	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6736	5.009	ug/l	92

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Oct 18 23:49:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	17225	3.769	ug/l	98
94) Hexachlorobutadiene	15.01	225	12753	5.250	ug/l	97
95) Naphthalene	15.13	128	43883	3.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	16253	3.635	ug/l	91

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

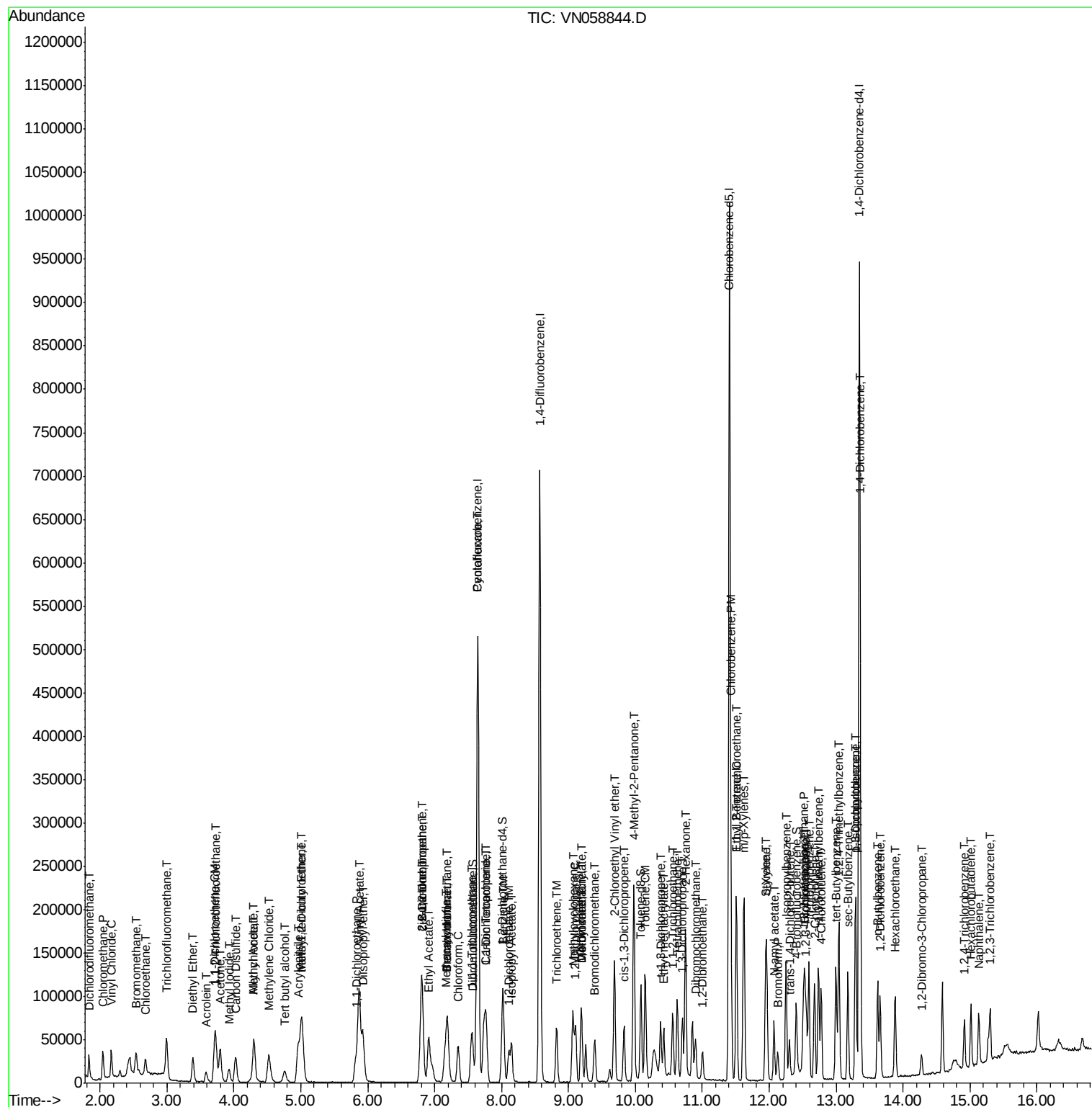
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101819\
Data File : VN058844.D
Acq On : 18 Oct 2019 9:15
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

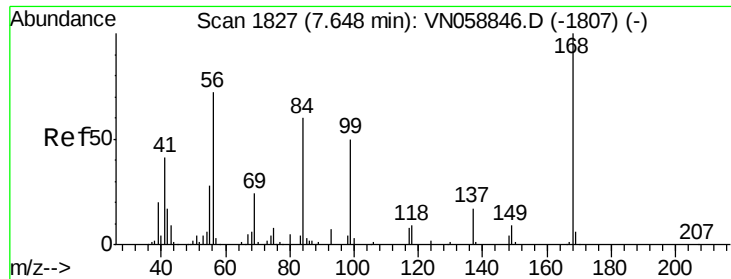
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 365896

Ion Ratio Lower Upper

168 100

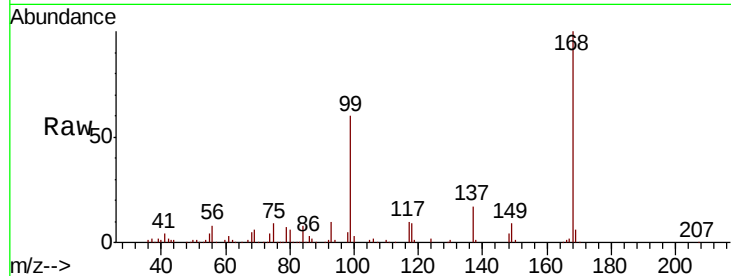
99 59.9 48.1 72.1

Manual Integrations

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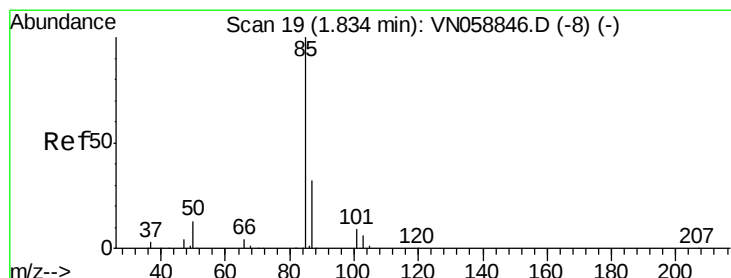
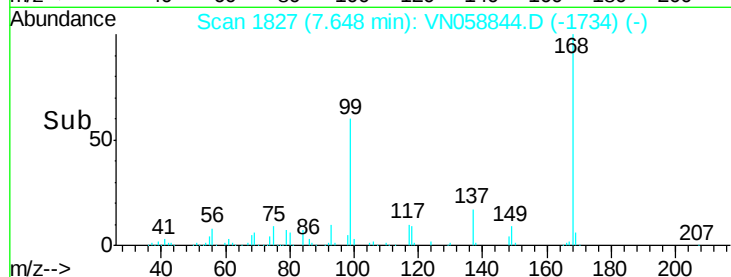
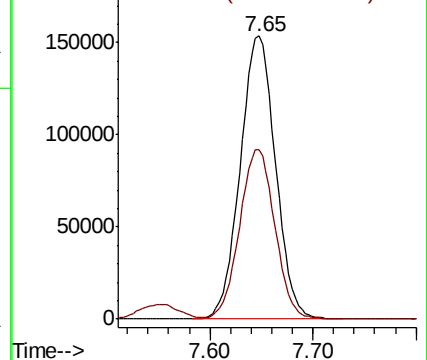
MMDadoda

10/21/2019 10:43:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.072 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058844.D

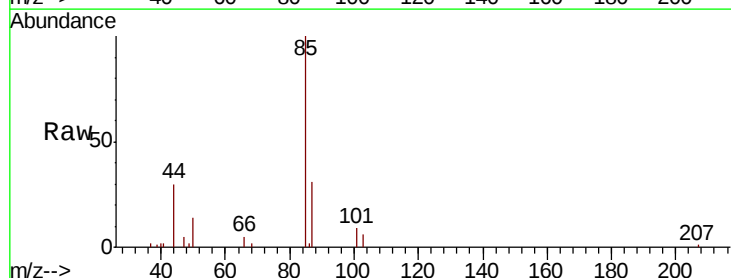
Acq: 18 Oct 2019 9:15

Tgt Ion: 85 Resp: 23065

Ion Ratio Lower Upper

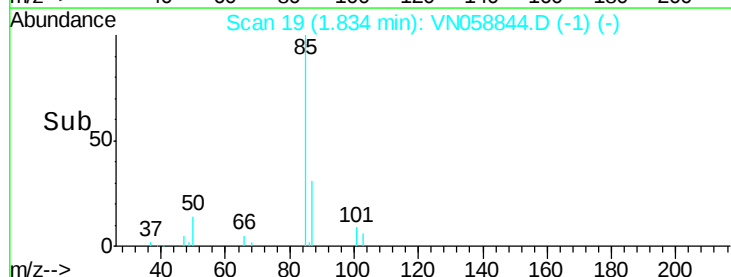
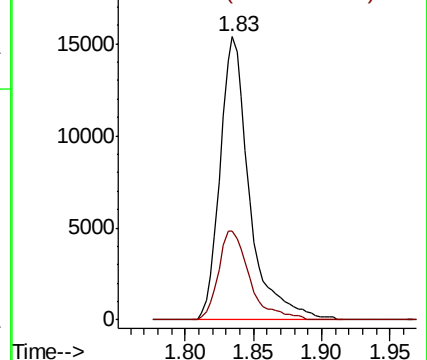
85 100

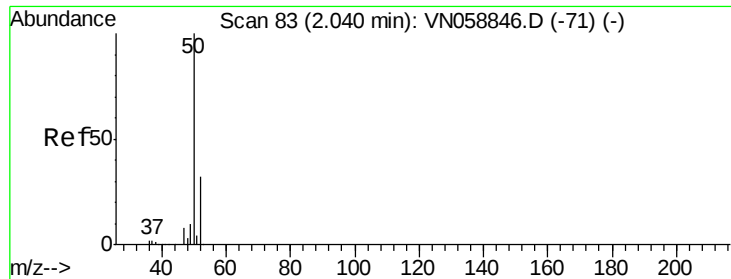
87 31.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.214 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 28512

Ion Ratio Lower Upper

50 100

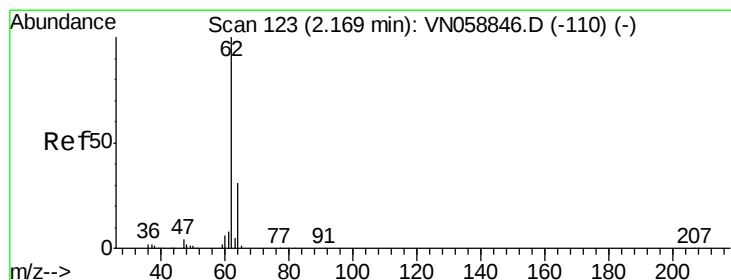
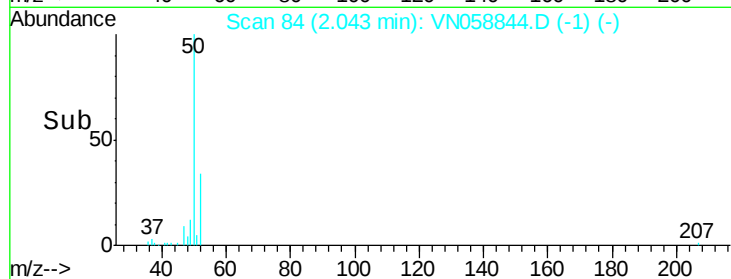
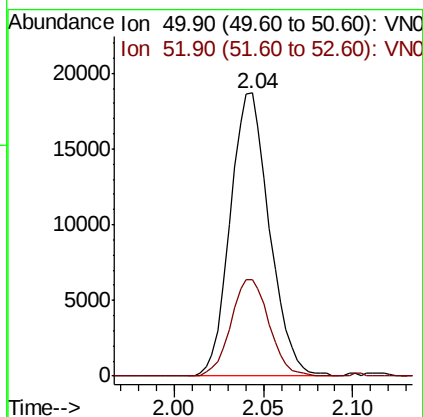
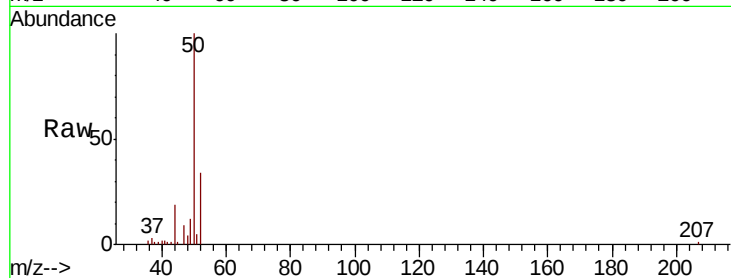
52 34.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.259 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058844.D

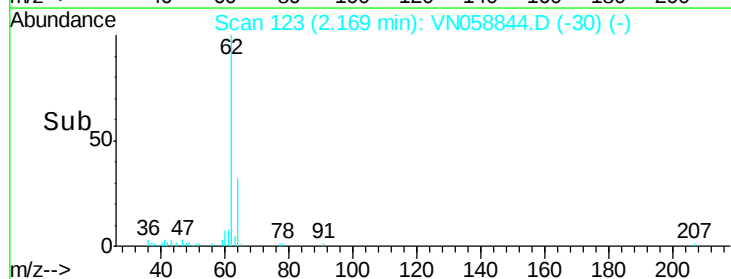
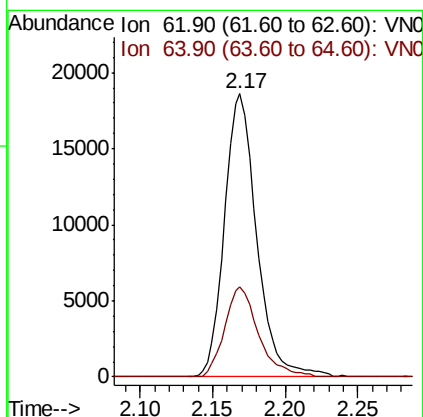
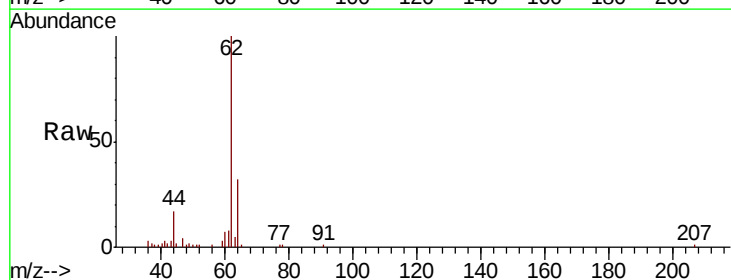
Acq: 18 Oct 2019 9:15

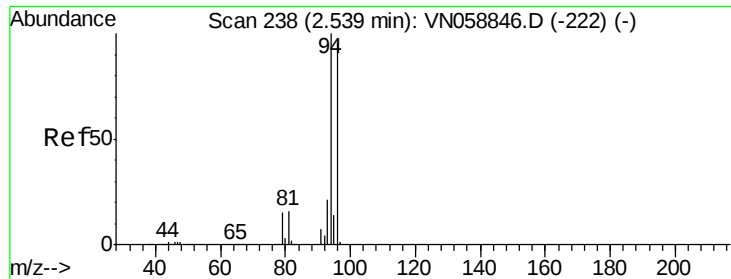
Tgt Ion: 62 Resp: 28614

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8





#5

Bromomethane

Concen: 5.540 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 18553

Ion Ratio Lower Upper

94 100

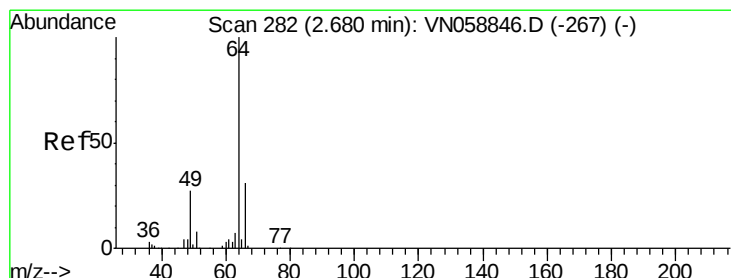
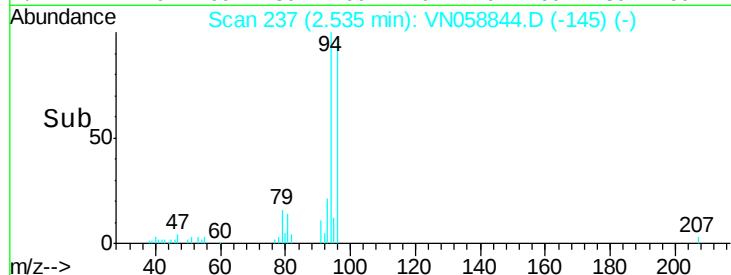
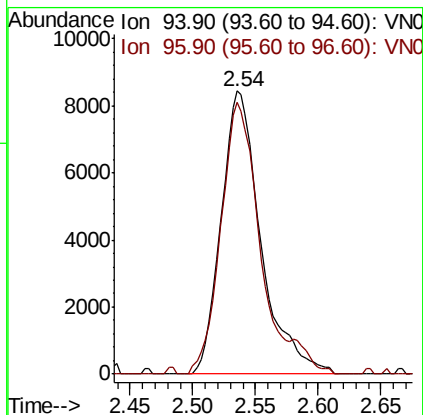
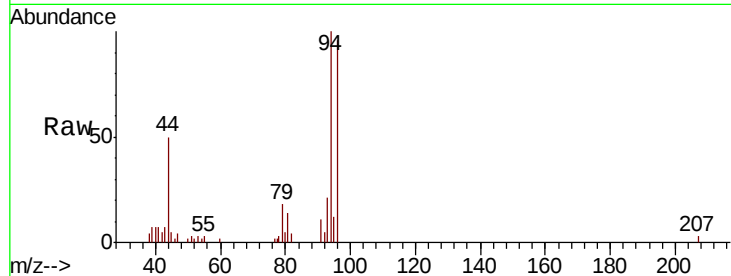
96 96.2 77.0 115.6

Manual Integrations

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10/21/2019 10:43:39 AM



#6

Chloroethane

Concen: 5.573 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN058844.D

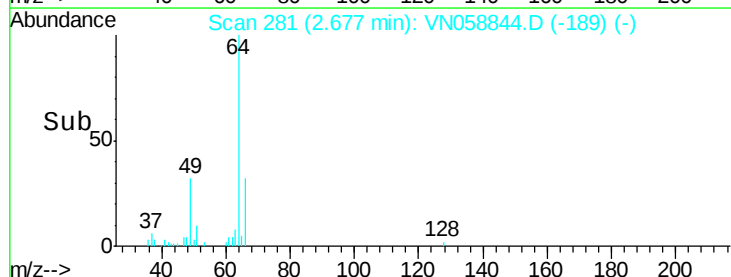
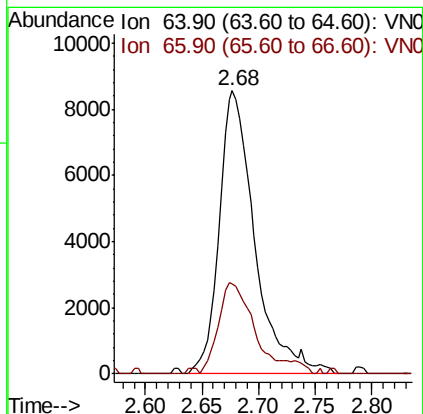
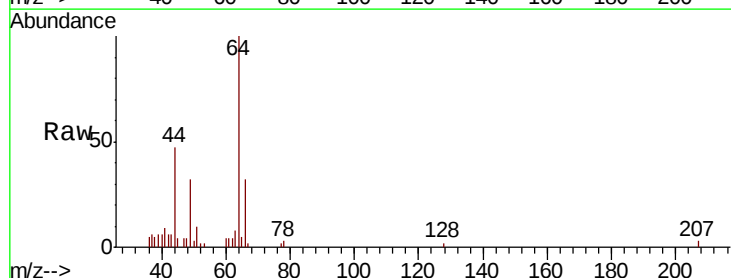
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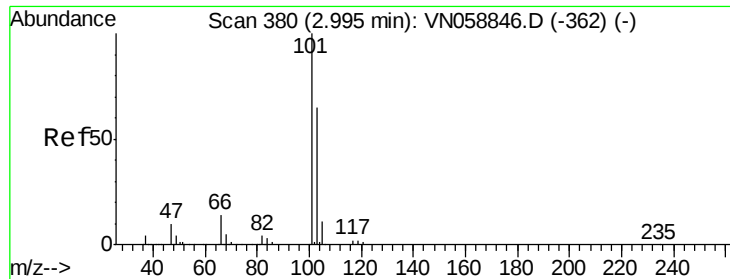
Tgt Ion: 64 Resp: 18804

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4





#7

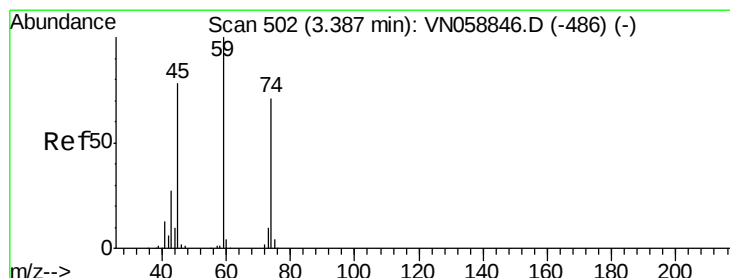
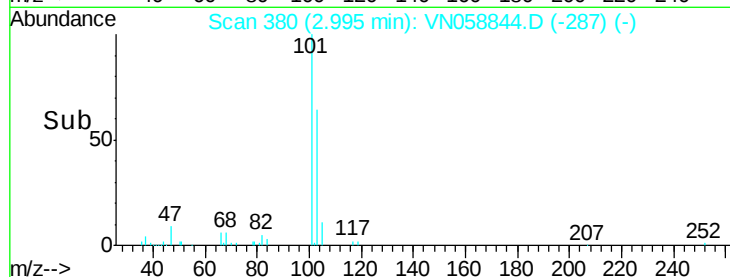
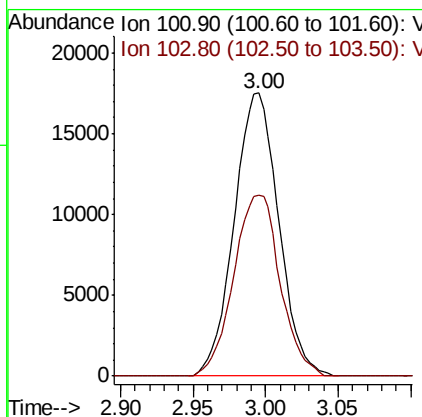
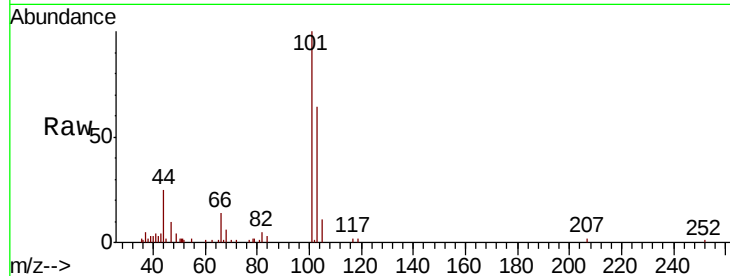
Trichlorofluoromethane
Concen: 5.674 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.2

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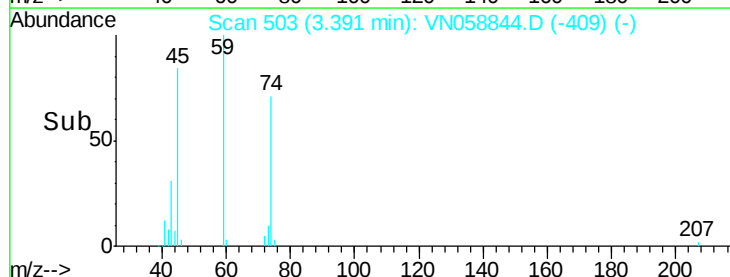
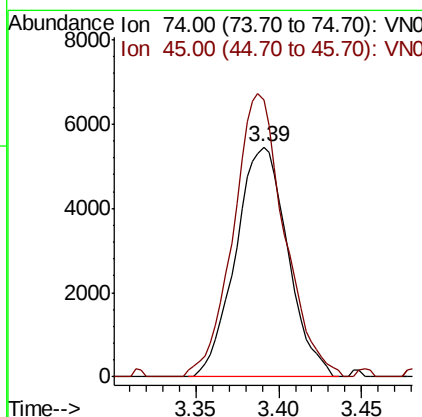
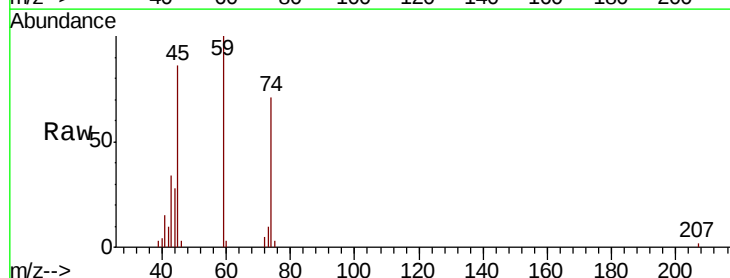
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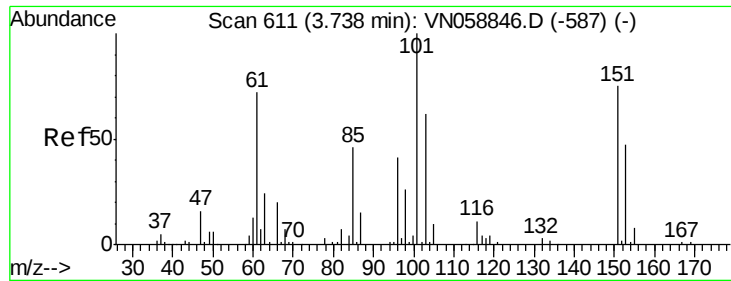


#8

Diethyl Ether
Concen: 5.001 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.9	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.599 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

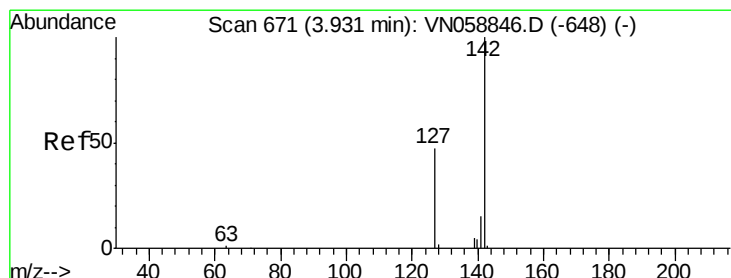
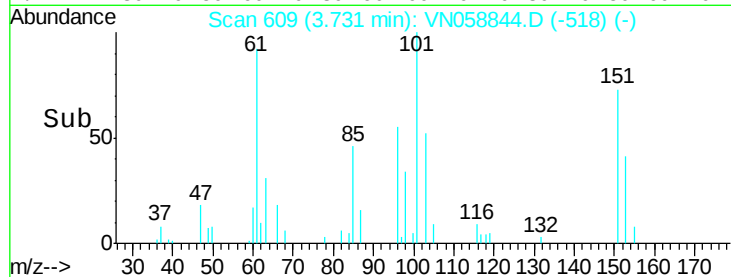
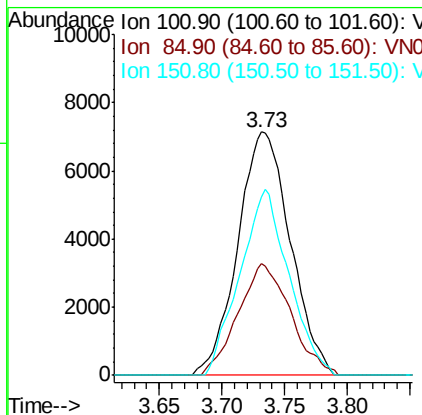
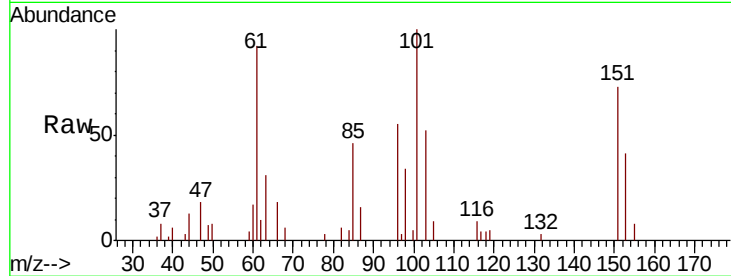
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	20782
Ion Ratio	Lower	Upper	
101	100		
85	46.0	37.2	55.8
151	71.3	59.9	89.9

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#10

Methyl Iodide

Concen: 4.822 ug/l

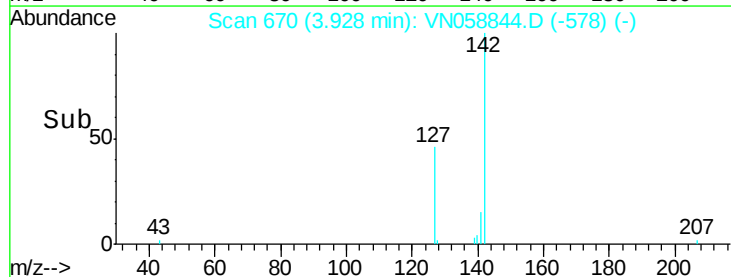
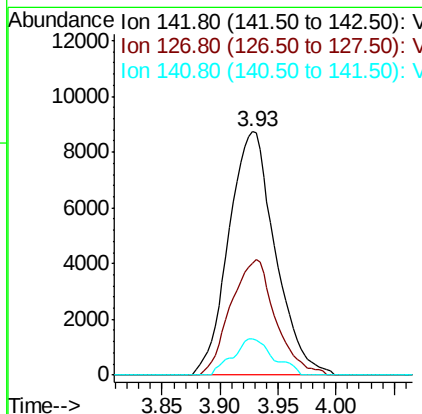
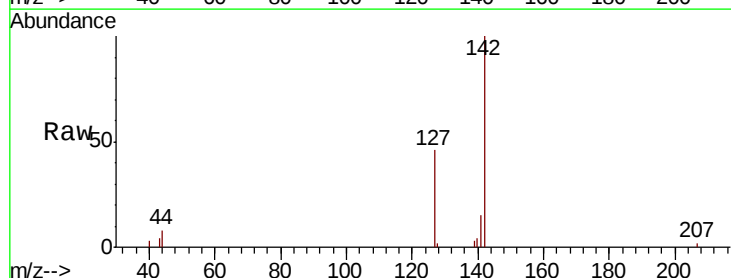
RT: 3.93 min Scan# 670

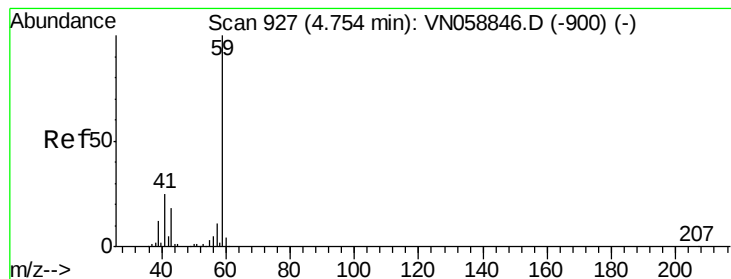
Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Tgt Ion:	142	Resp:	24246
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.6	54.8
141	13.0	11.4	17.2





#11

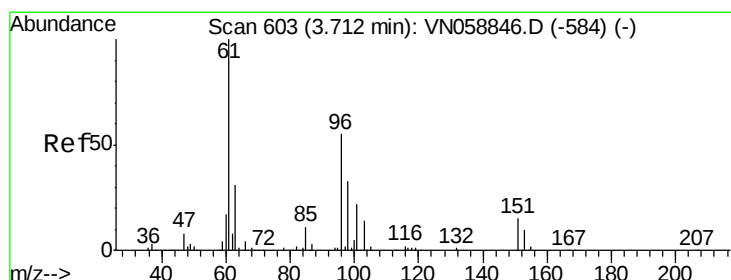
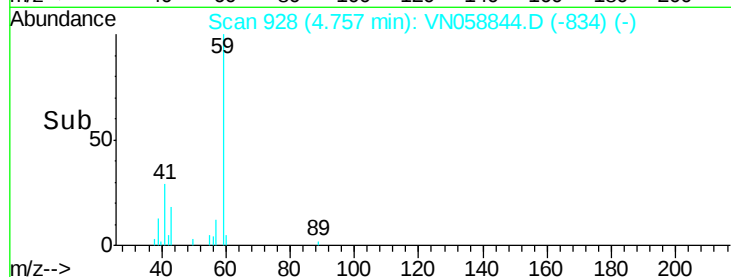
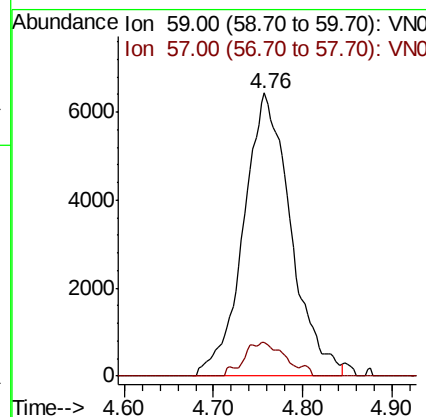
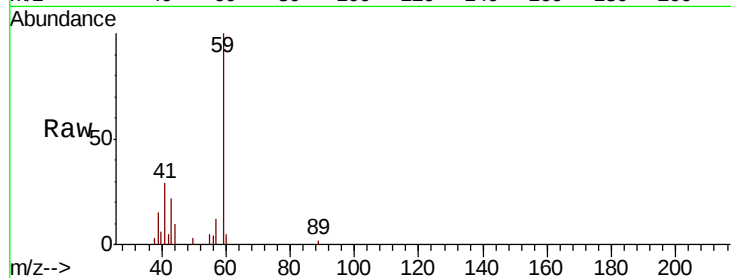
Tert butyl alcohol
Concen: 28.094 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	1.9	8.6	12.8#

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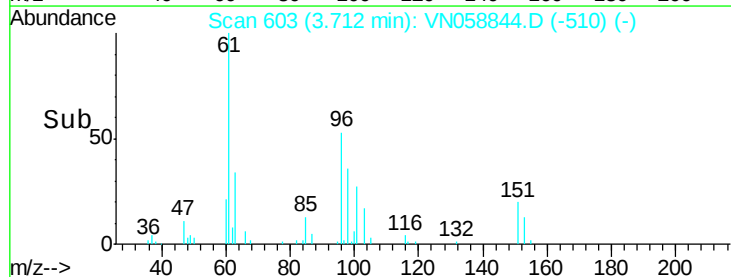
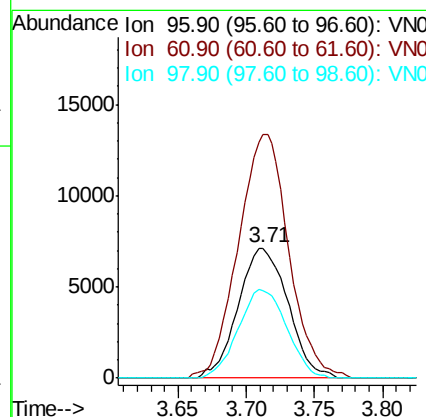
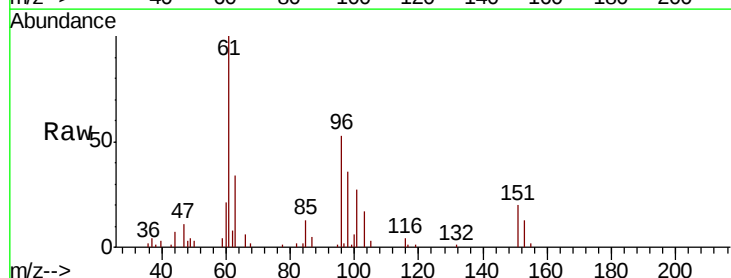
MMDadoda
10/21/2019 10:43:39 AM

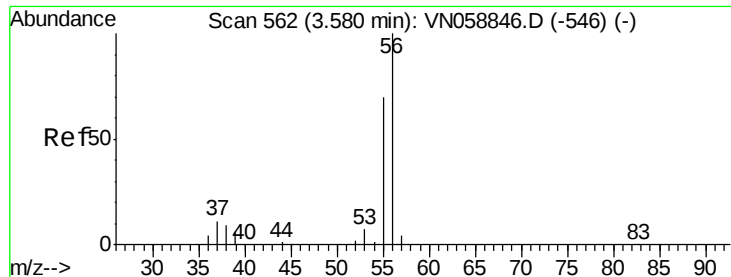


#12

1,1-Dichloroethene
Concen: 5.118 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.4	146.2	219.2
98	67.7	48.7	73.1





#13

Acrolein

Concen: 17.942 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11900

Ion Ratio Lower Upper

56 100

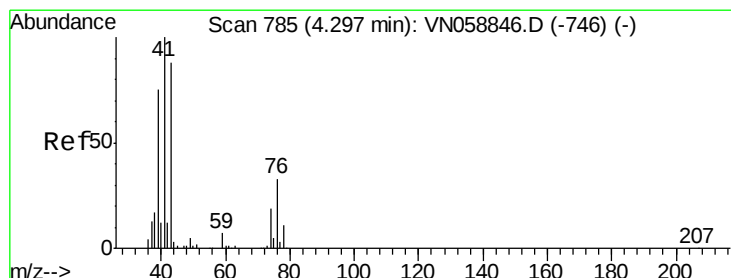
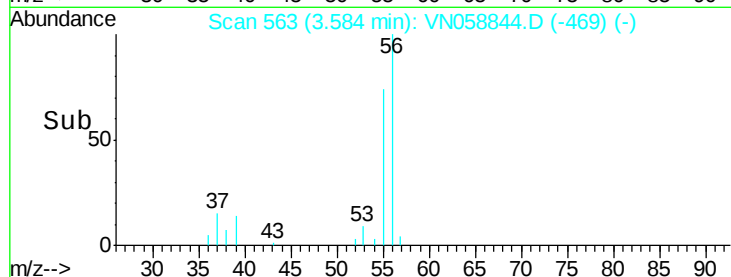
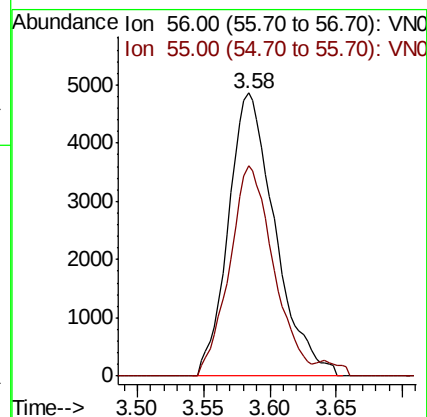
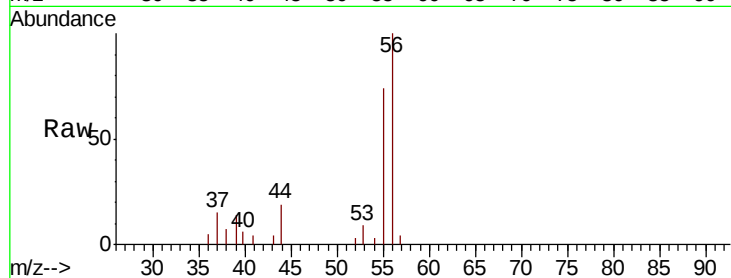
55 70.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 5.289 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

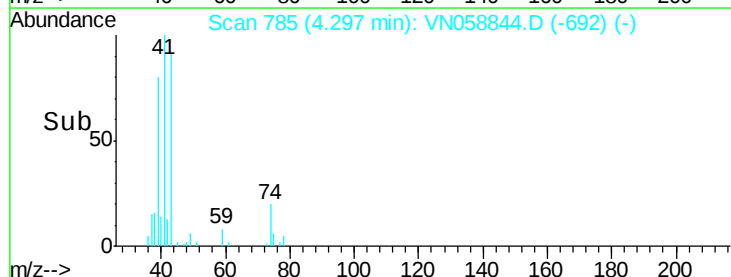
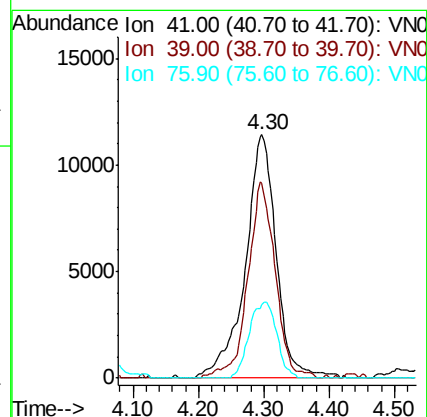
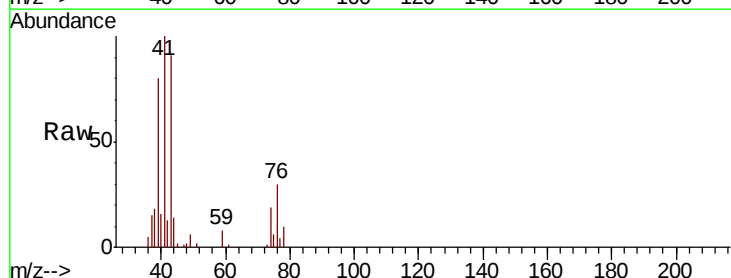
Tgt Ion: 41 Resp: 37842

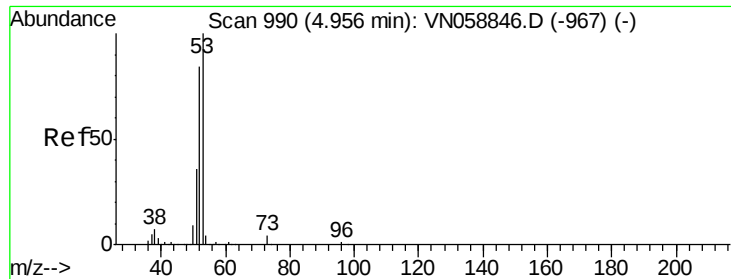
Ion Ratio Lower Upper

41 100

39 71.3 55.9 83.9

76 27.7 24.1 36.1





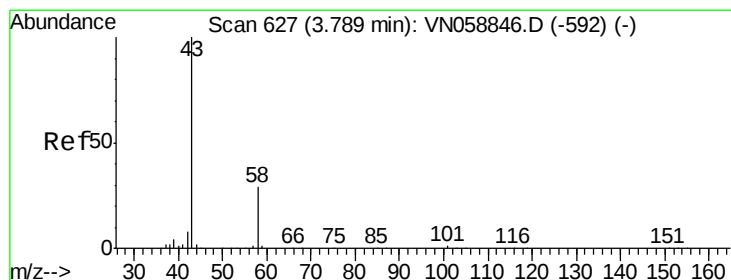
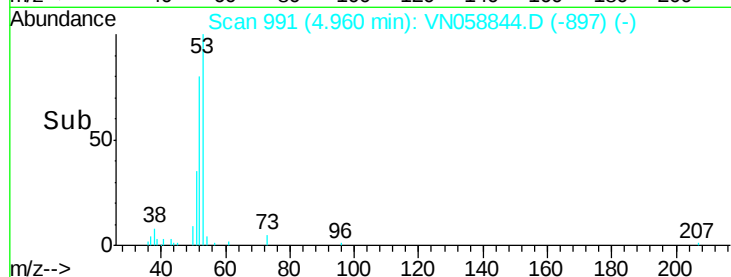
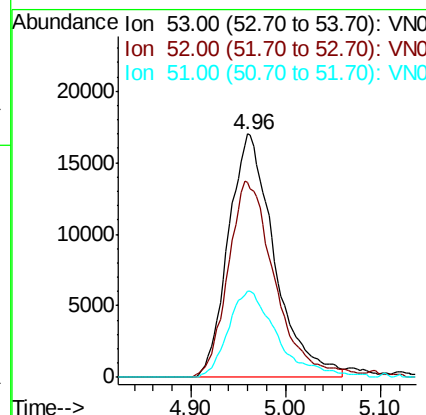
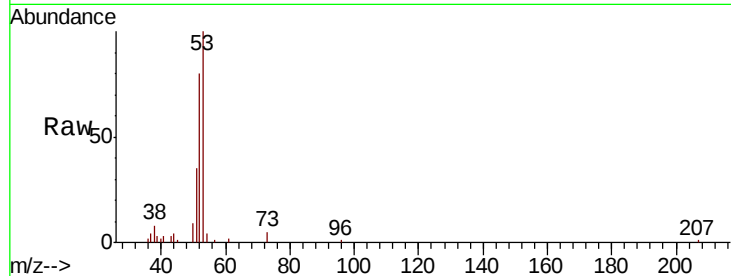
#15
 Acrylonitrile
 Concen: 27.043 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	57479
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	99.8
51	38.0	29.2	43.8

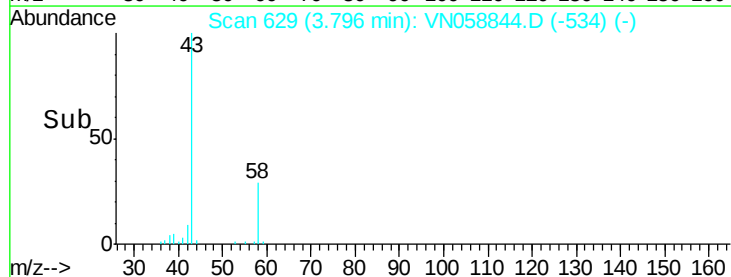
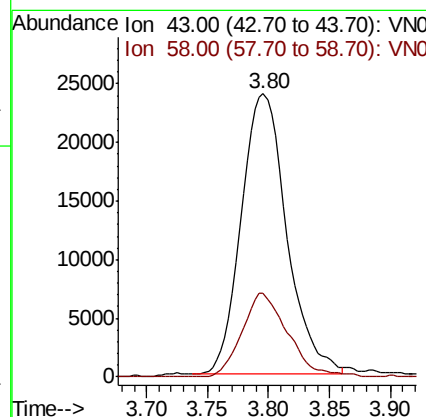
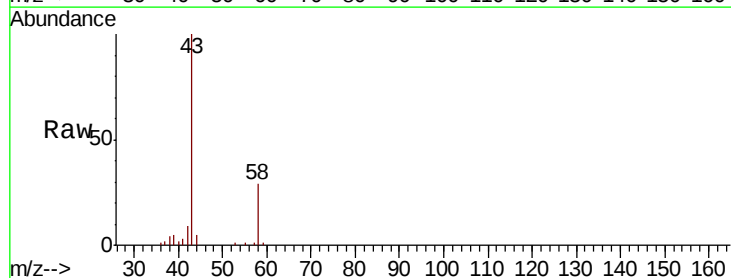
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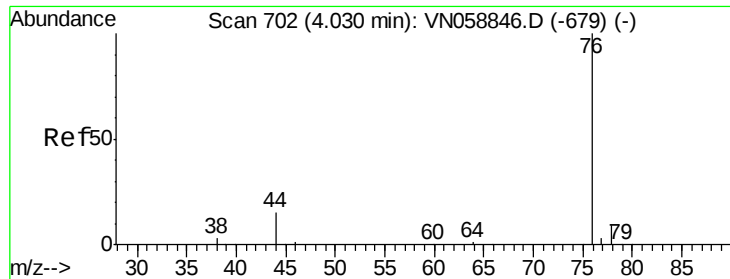
MMDadoda
 10/21/2019 10:43:39 AM



#16
 Acetone
 Concen: 27.743 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion:	43	Resp:	61976
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.1	34.7





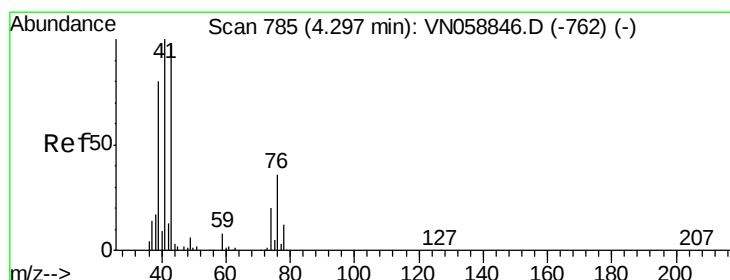
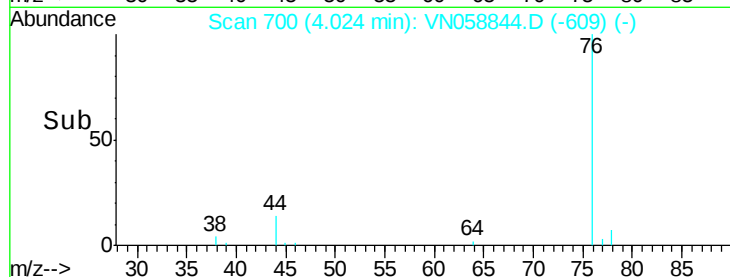
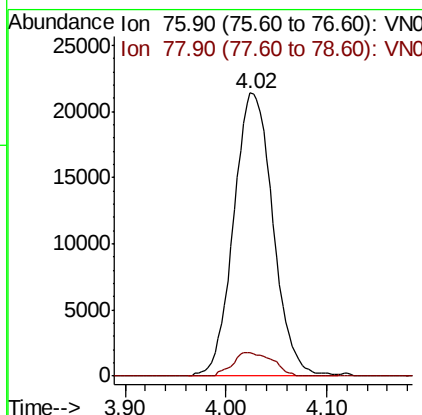
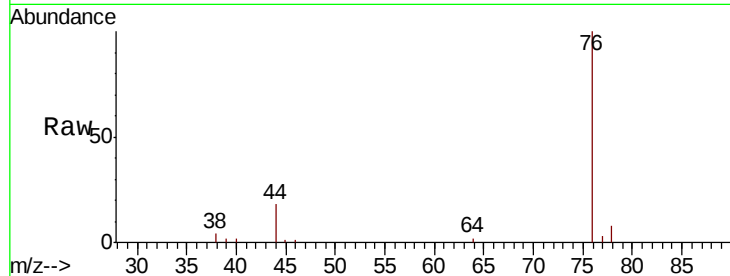
#17
Carbon Disulfide
Concen: 5.100 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.01 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

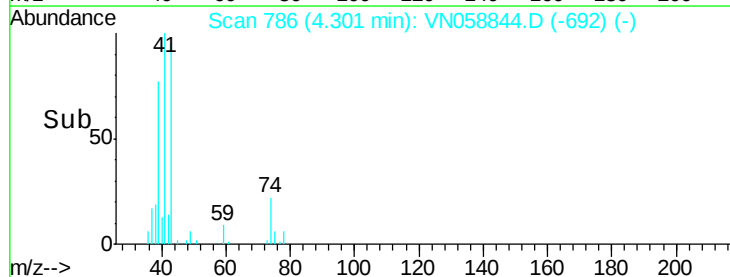
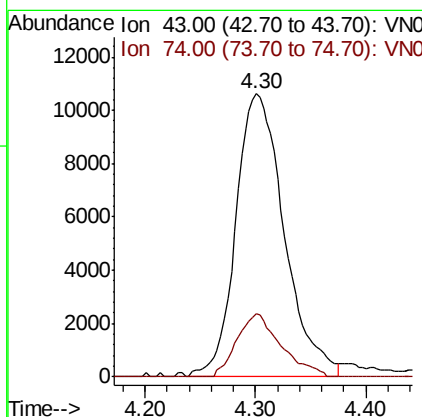
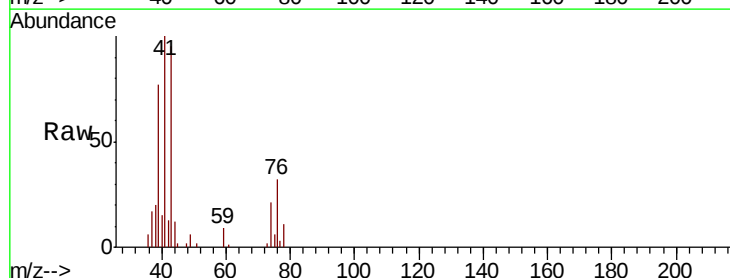
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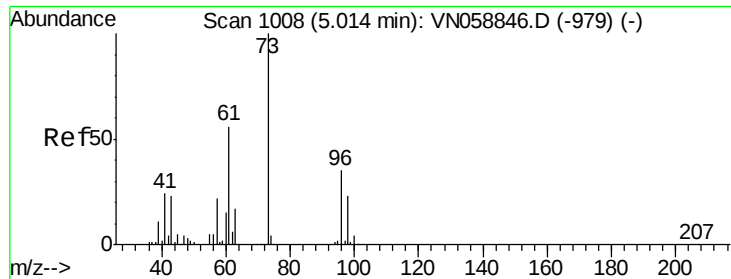
MMDadoda
10/21/2019 10:43:39 AM



#18
Methyl Acetate
Concen: 5.922 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	17.1	25.7





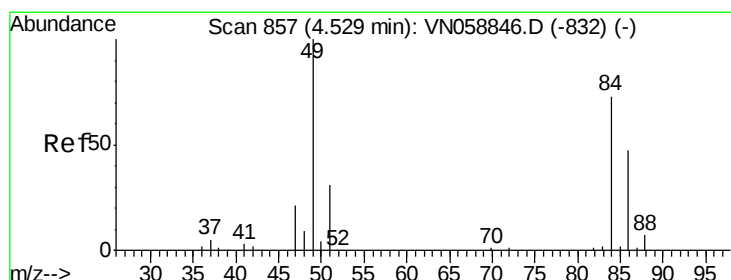
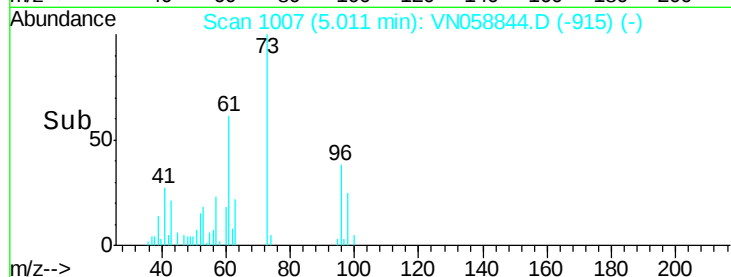
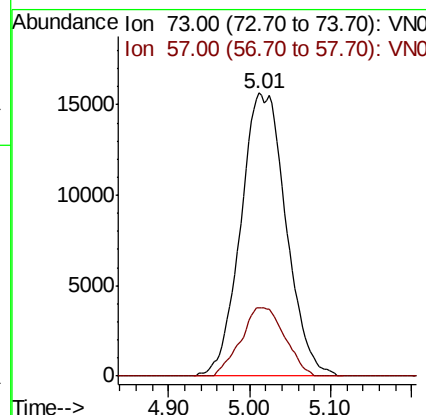
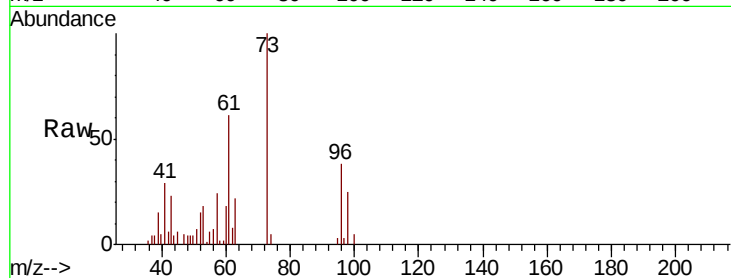
#19
Methvl tert-butvl Ether
Concen: 4.835 ug/l m
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 60897
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9

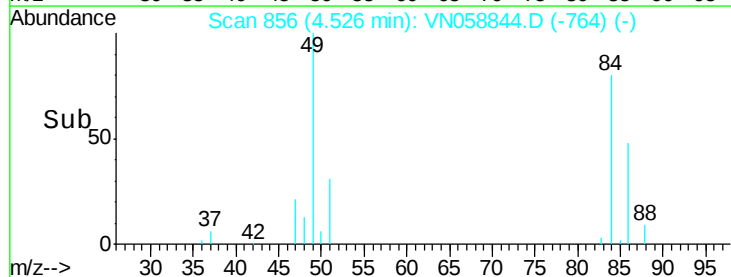
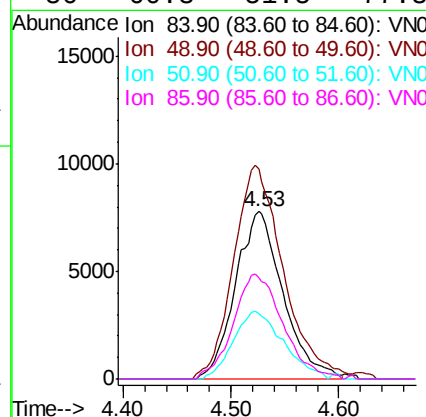
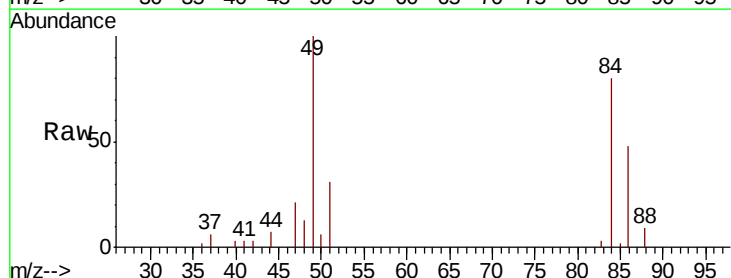
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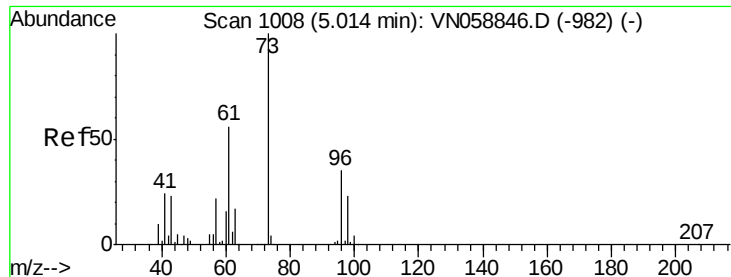
MMDadoda
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#20
Methylene Chloride
Concen: 5.349 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 84 Resp: 23818
Ion Ratio Lower Upper
84 100
49 125.4 109.6 164.4
51 39.2 33.8 50.6
86 60.3 51.5 77.3





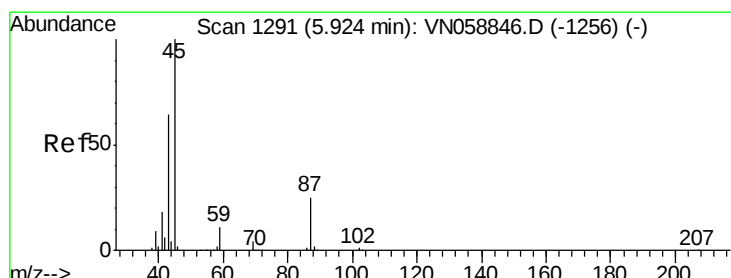
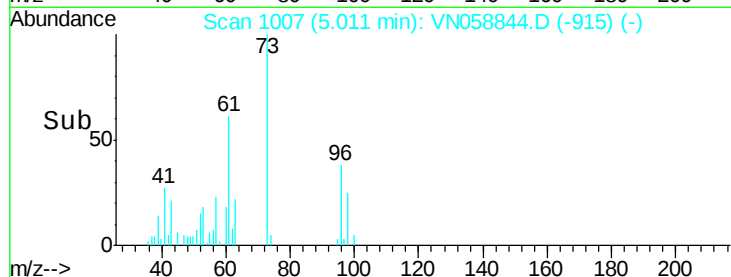
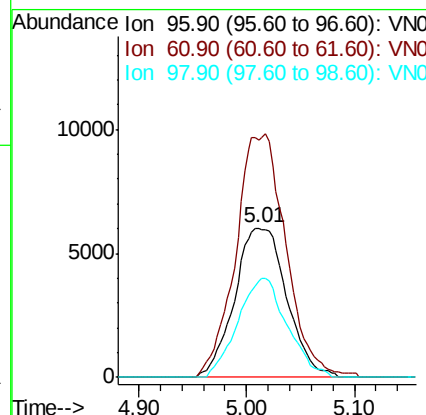
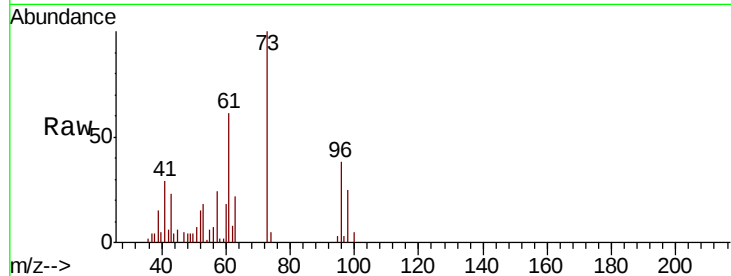
#21
trans-1,2-Dichloroethene
Concen: 5.126 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.0	126.7	190.1
98	65.1	52.0	78.0

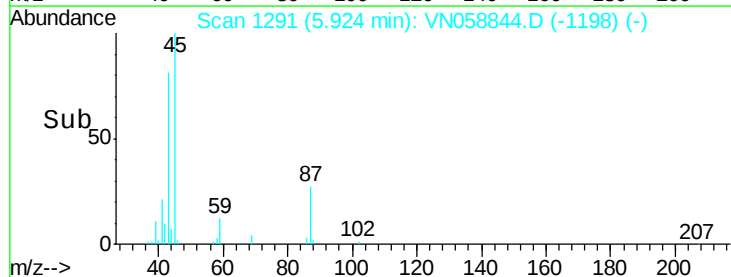
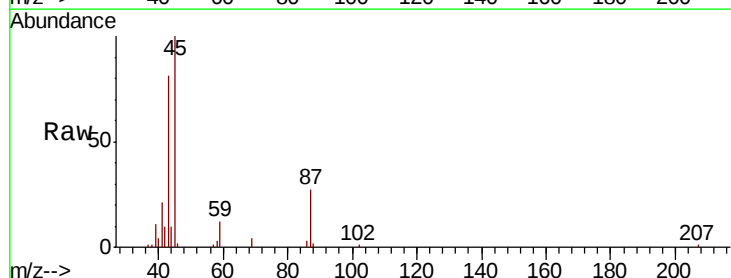
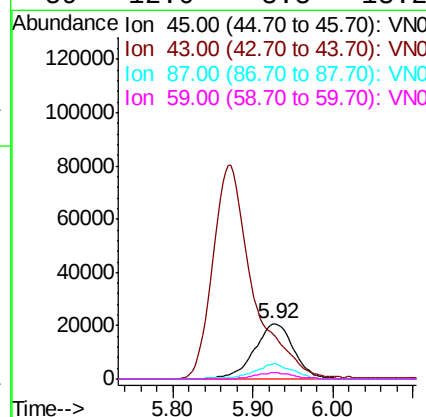
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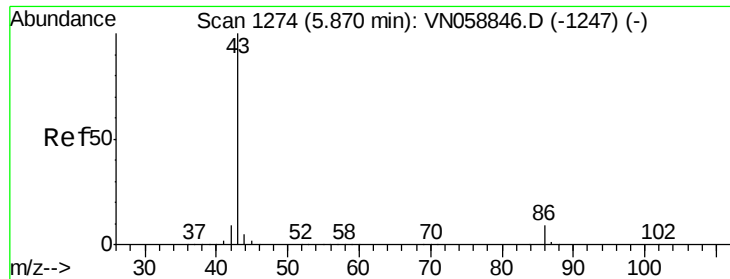
MMDadoda
10/21/2019 10:43:39 AM



#22
Diisopropyl ether
Concen: 5.051 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.8	52.9	79.3
87	26.9	20.2	30.4
59	12.0	8.8	13.2





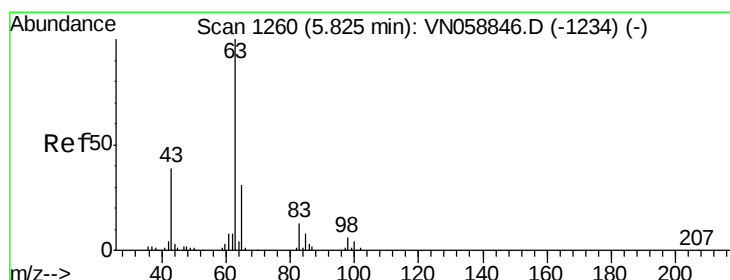
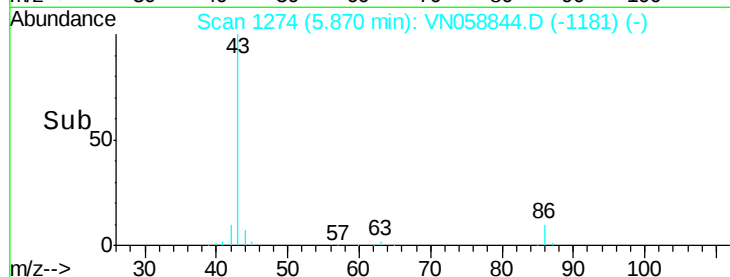
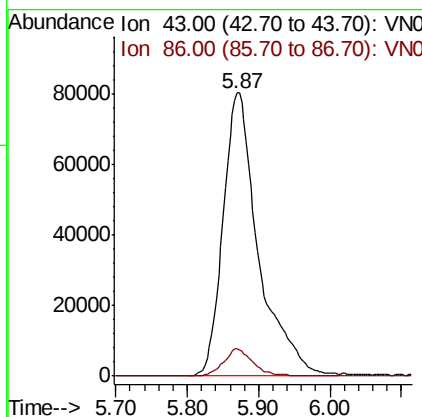
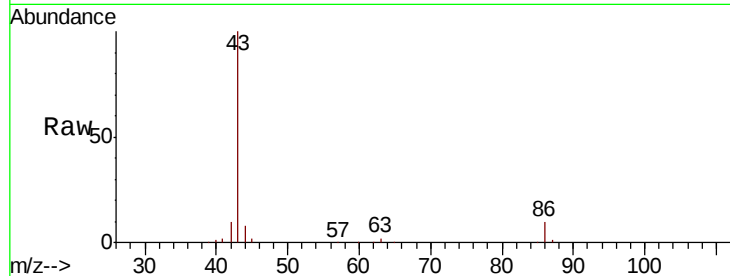
#23
 Vinyl Acetate
 Concen: 24.669 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.2	10.8

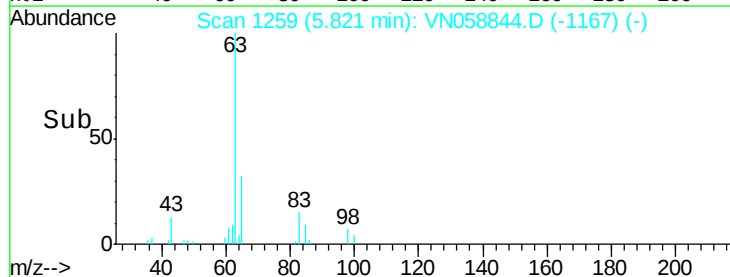
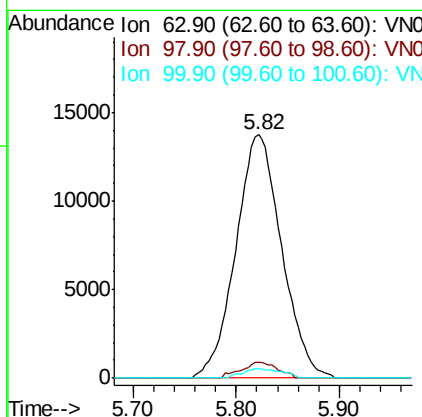
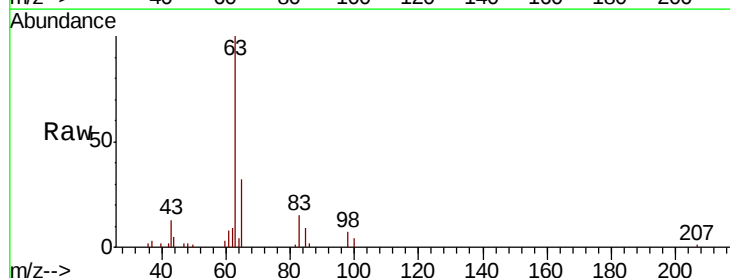
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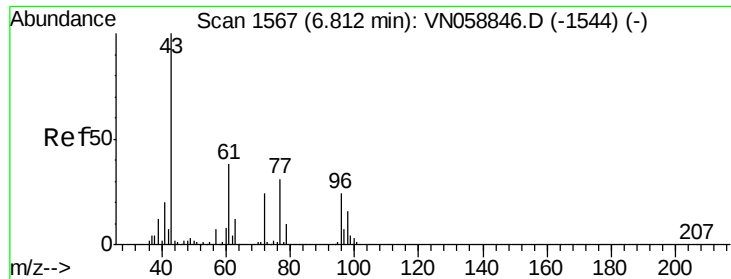
MMDadoda
 10/21/2019 10:43:39 AM



#24
 1,1-Dichloroethane
 Concen: 5.371 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.8	8.4
100	3.9	1.9	5.7





#25

2-Butanone

Concen: 27.117 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 85492

Ion Ratio Lower Upper

43 100

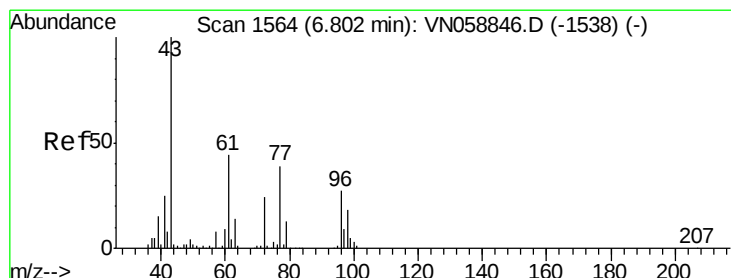
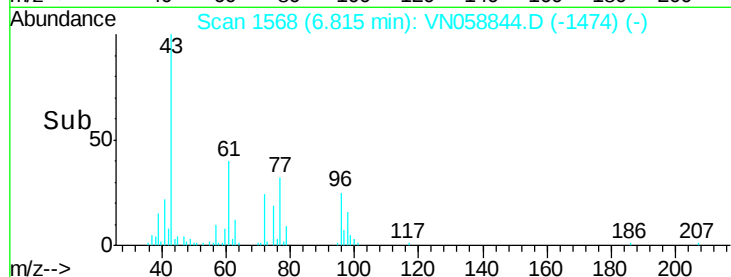
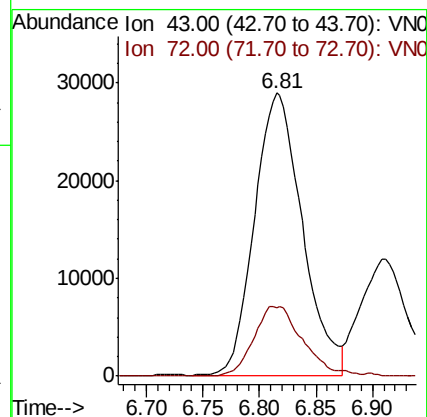
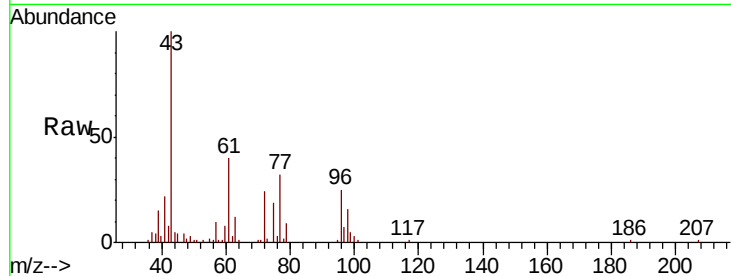
72 24.0 19.1 28.7

Manual Integrations

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MMDadoda

10/21/2019 10:43:39 AM



#26

2,2-Dichloropropane

Concen: 5.076 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058844.D

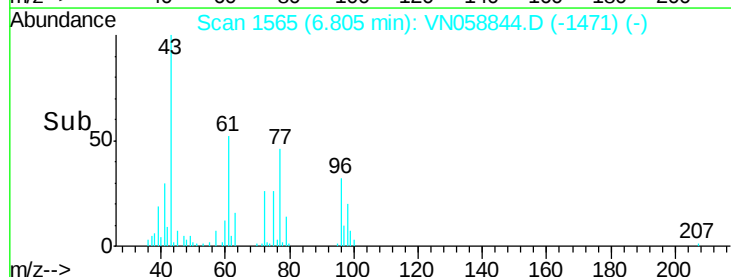
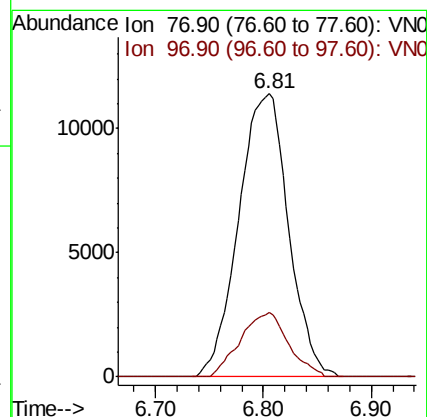
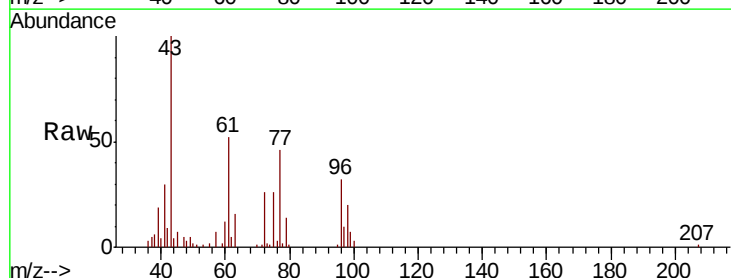
Acq: 18 Oct 2019 9:15

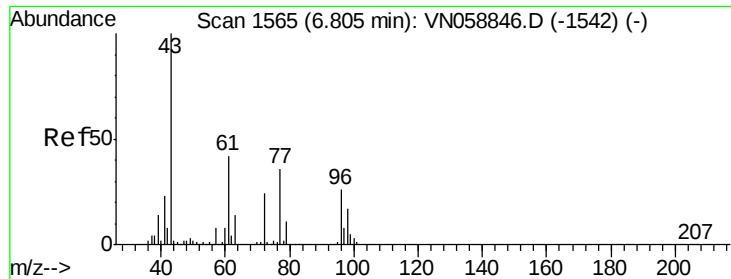
Tgt Ion: 77 Resp: 36581

Ion Ratio Lower Upper

77 100

97 21.9 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 5.018 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058844.D

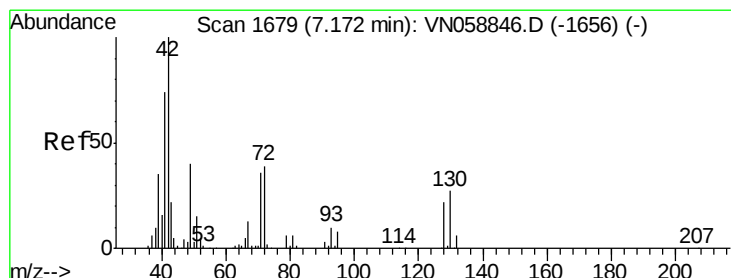
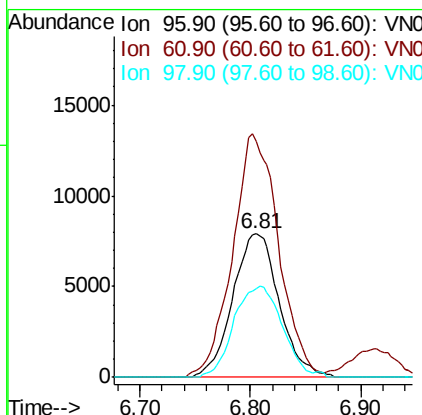
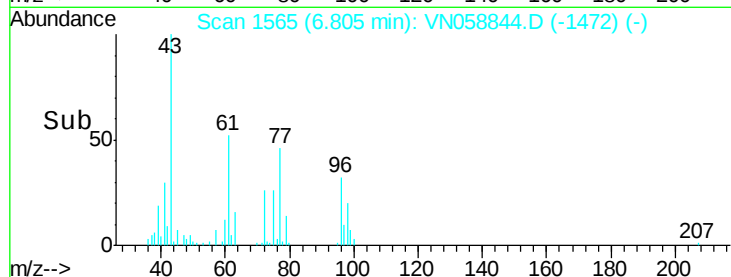
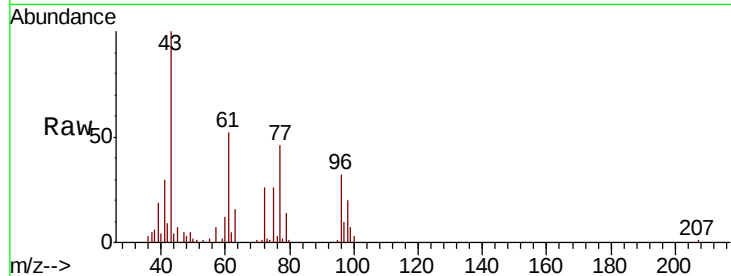
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	23139		
61	167.1		0.0	325.0
98	66.2		0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 5.332 ug/l

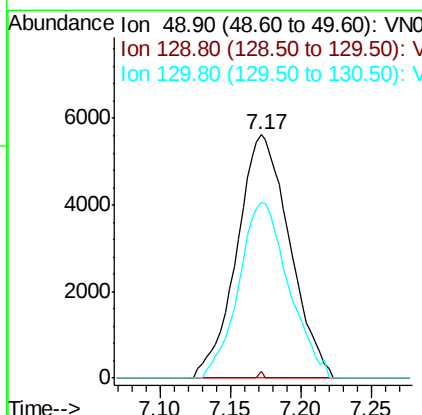
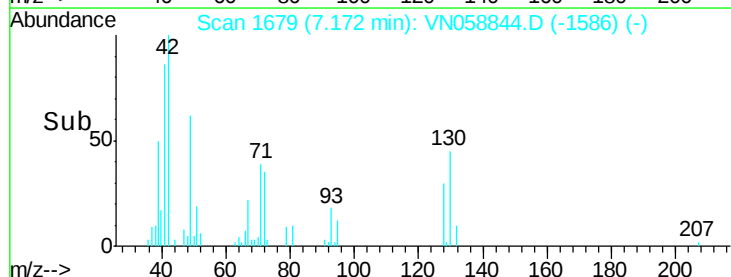
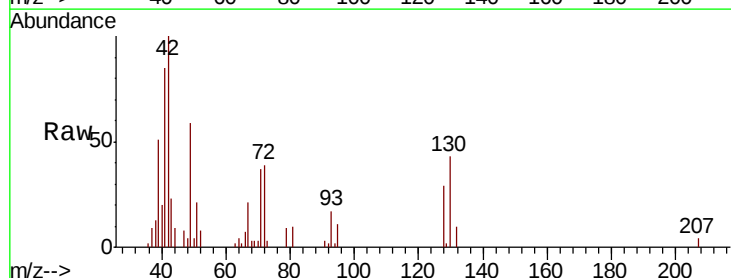
RT: 7.17 min Scan# 1679

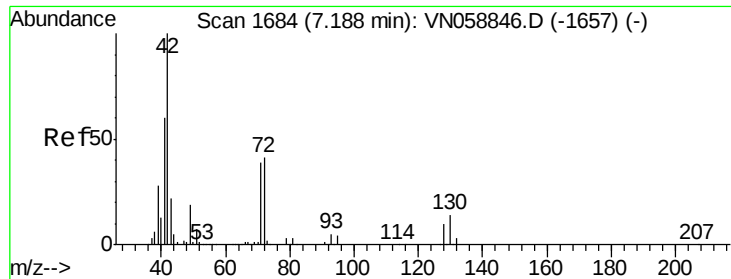
Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	14637		
129	0.2		0.0	3.2
130	68.6		53.5	80.3





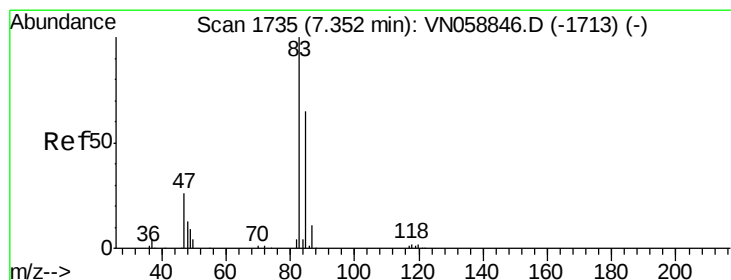
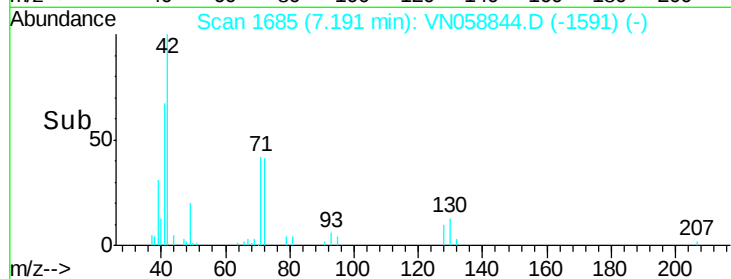
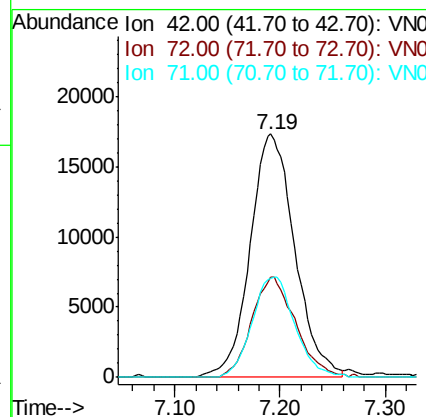
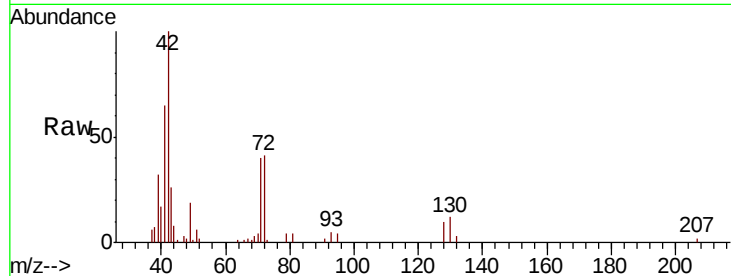
#29
Tetrahydrofuran
Concen: 25.316 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.2	48.2
71	39.4	30.6	45.8

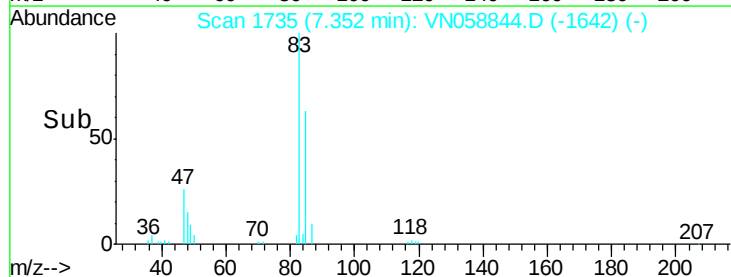
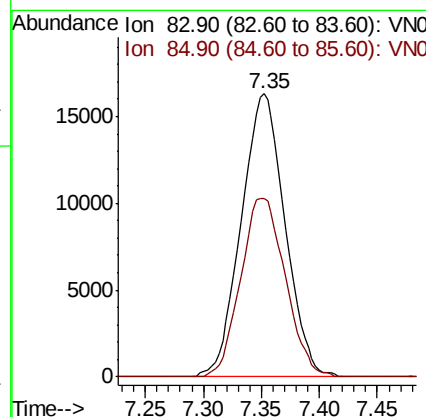
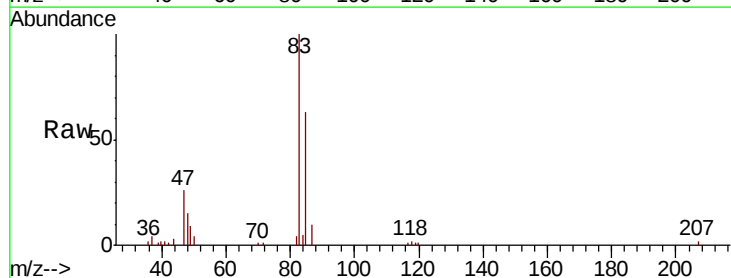
Manual Integrations
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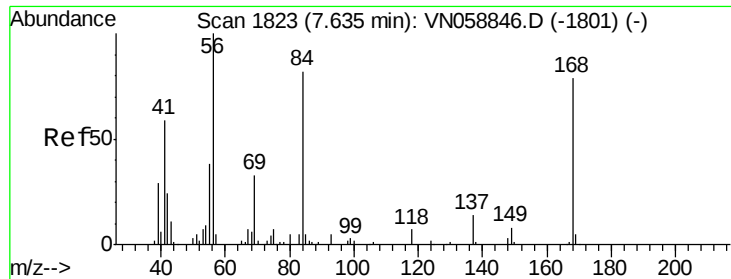
MMDadoda
10/21/2019 10:43:39 AM



#30
Chloroform
Concen: 5.373 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.9	77.9





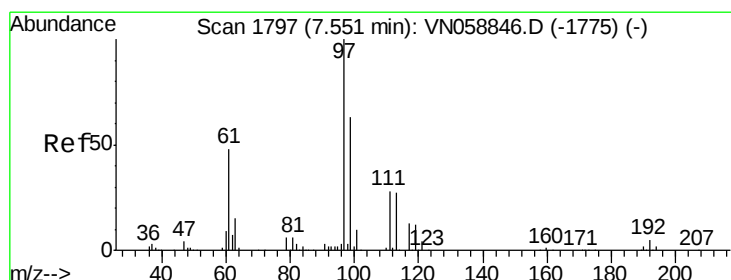
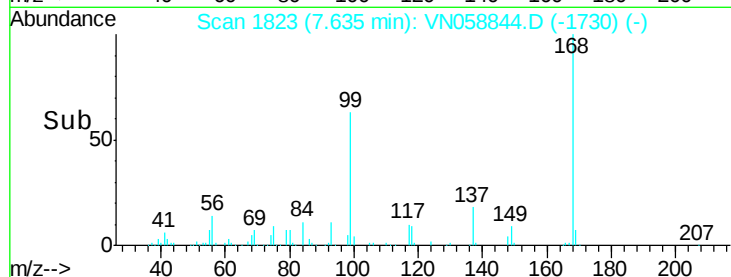
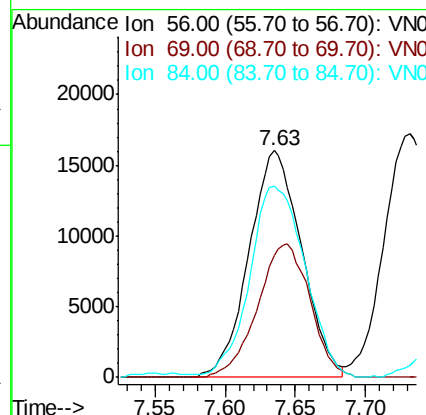
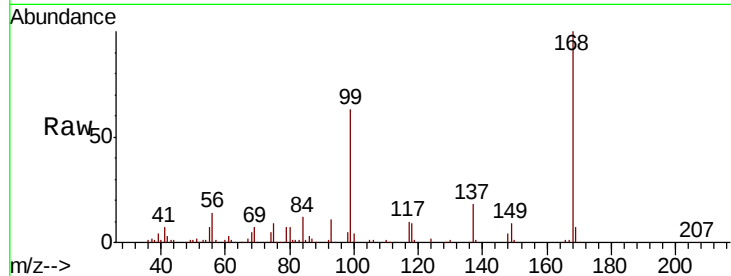
#31
Cyclohexane
Concen: 5.505 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	53.9	26.2	39.4#
84	82.9	65.6	98.4

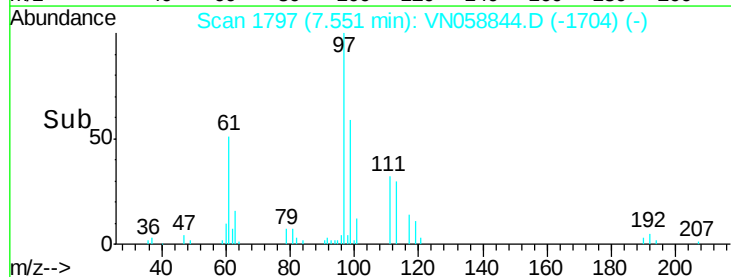
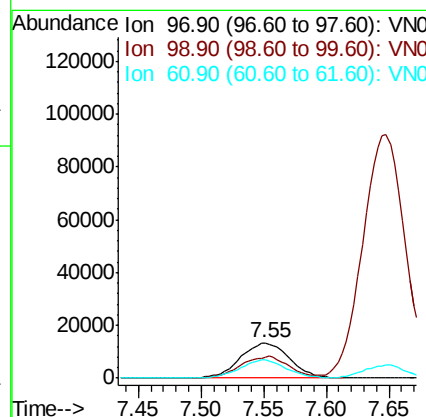
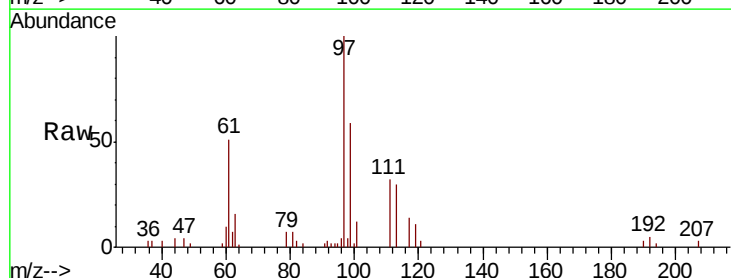
Manual Integrations
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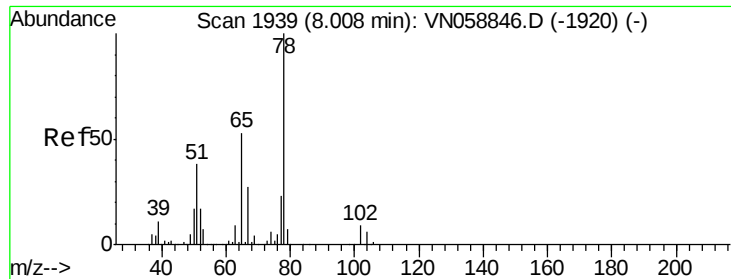
MMDadoda
10/21/2019 10:43:39 AM



#32
1,1,1-Trichloroethane
Concen: 5.384 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
97	100		
61	61.4	51.0	76.4
111	49.0	38.6	58.0





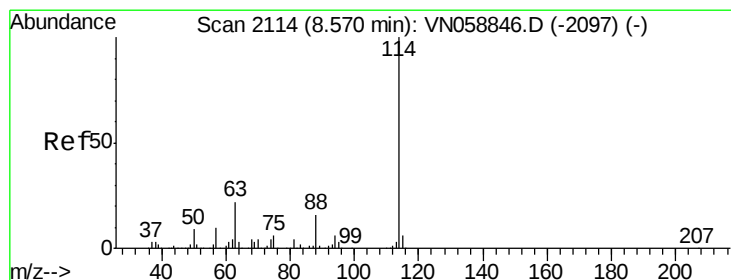
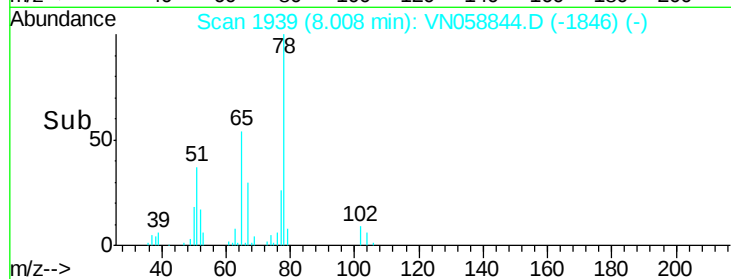
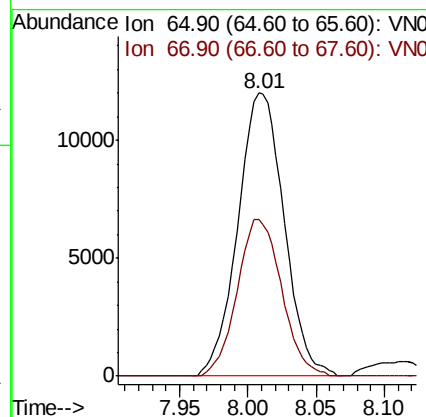
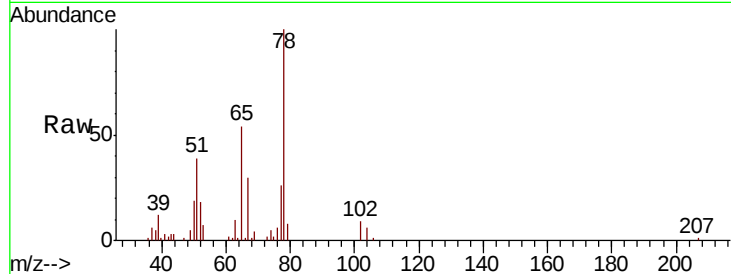
#33
 1,2-Dichloroethane-d4
 Concen: 5.460 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.2

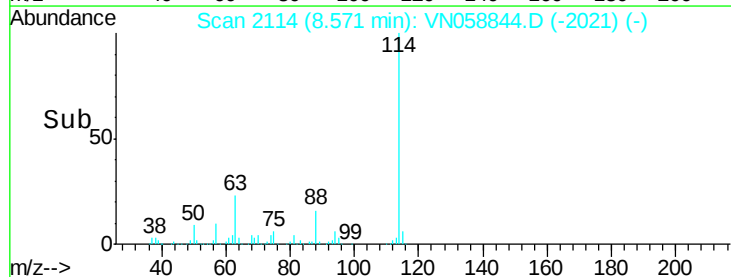
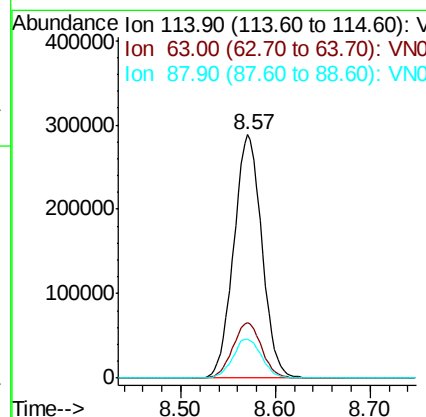
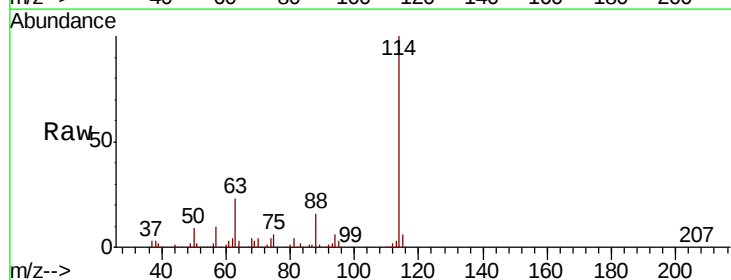
Manual Integrations
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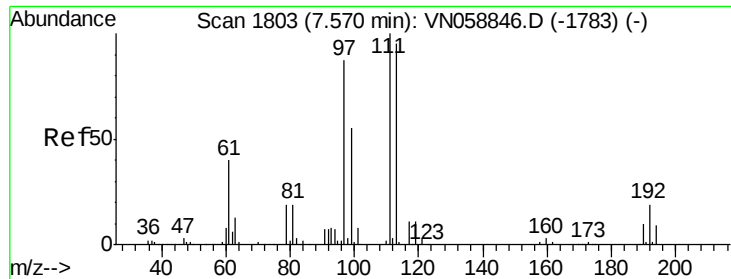
MMDadoda
 10/21/2019 10:43:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.4
88	16.2	0.0	31.4





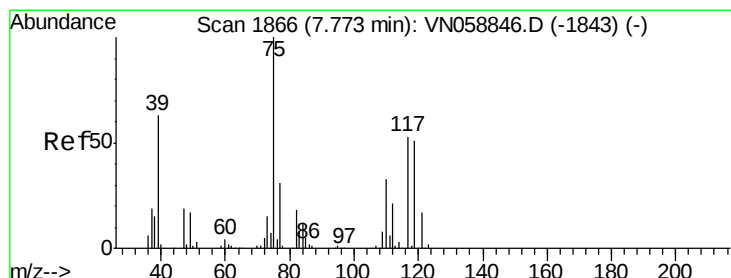
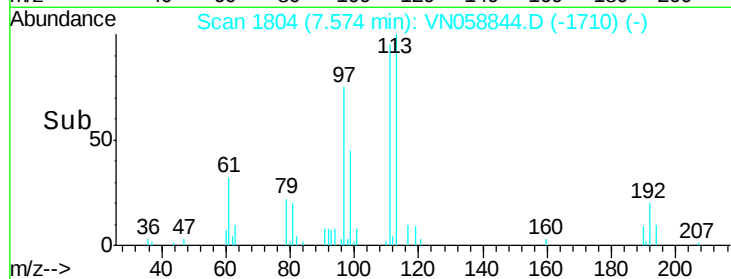
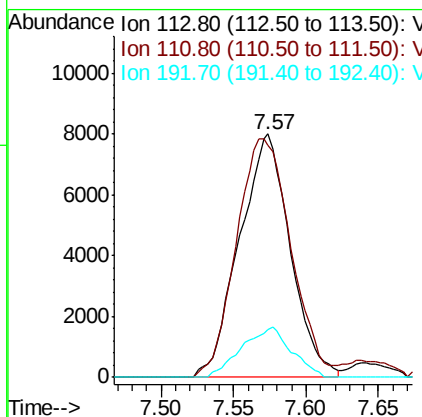
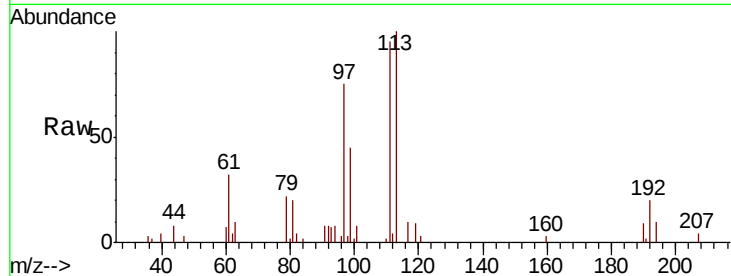
#35
Dibromofluoromethane
Concen: 5.228 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	19492		
111	105.3	82.0	123.0	
192	20.2	15.0	22.6	

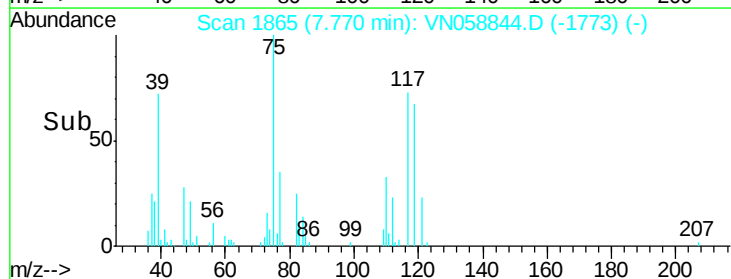
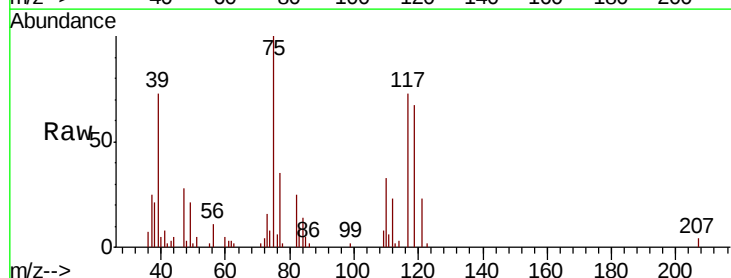
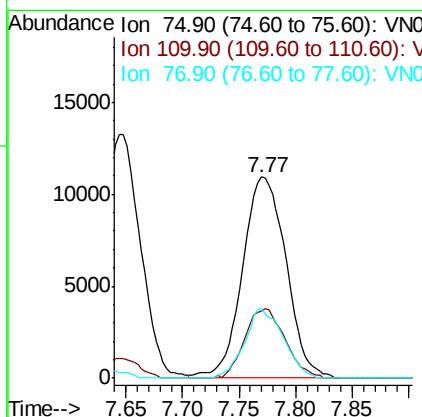
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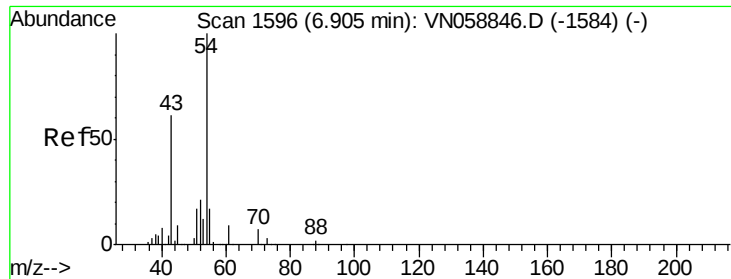
MMDadoda
10/21/2019 10:43:39 AM



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29289		
110	32.0	16.3	48.9	
77	30.8	24.6	36.8	





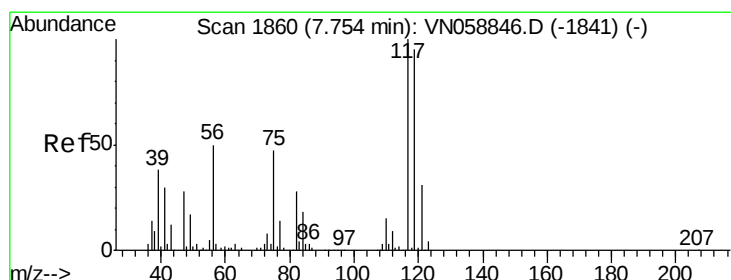
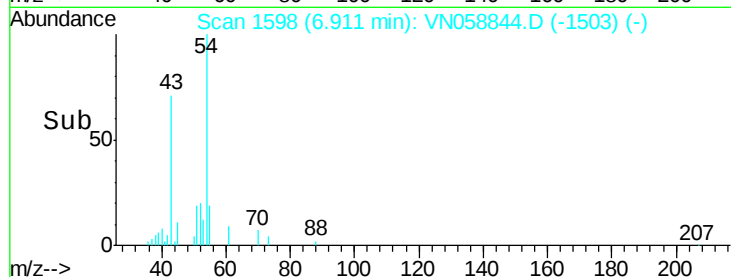
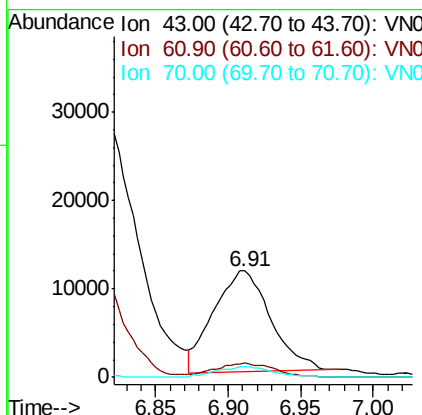
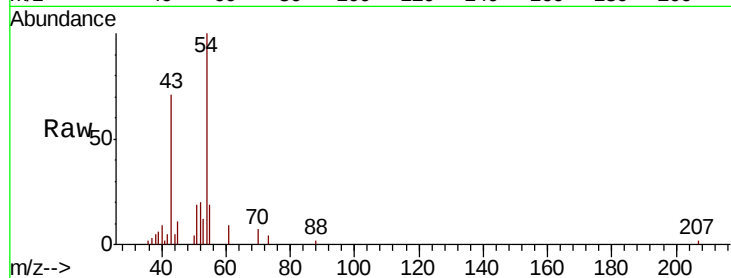
#37
Ethyl Acetate
Concen: 5.037 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.01 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.5	15.7
70	10.4	7.6	11.4

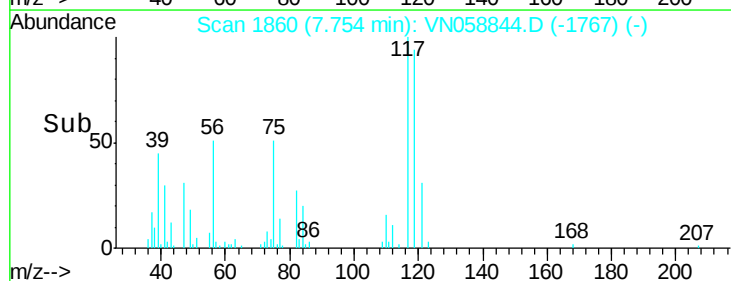
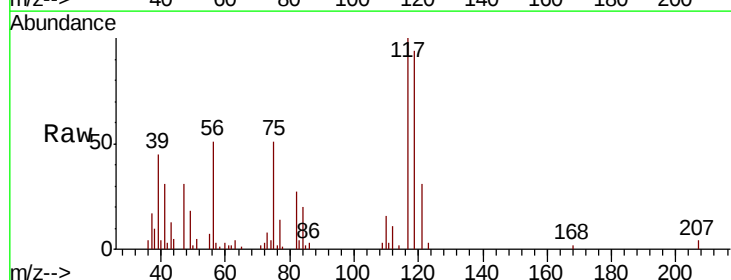
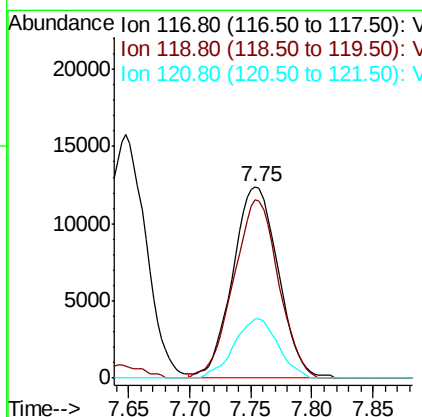
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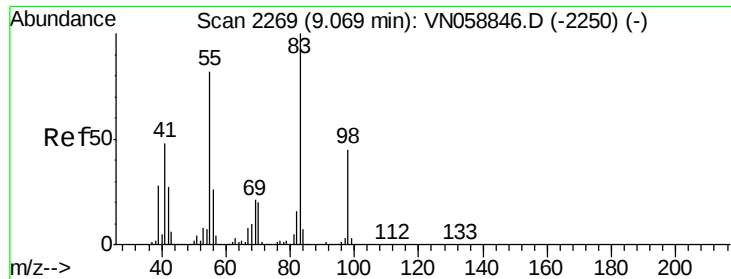
MMDadoda
10/21/2019 10:43:39 AM



#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.7	113.5
121	30.7	25.0	37.6





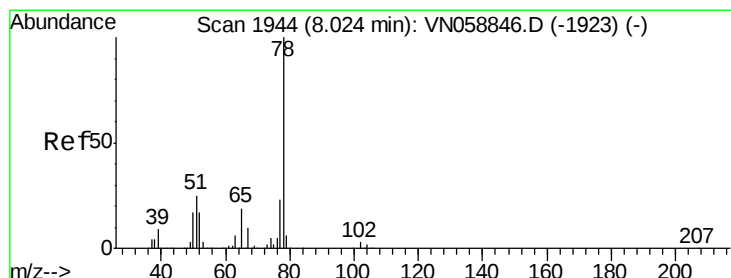
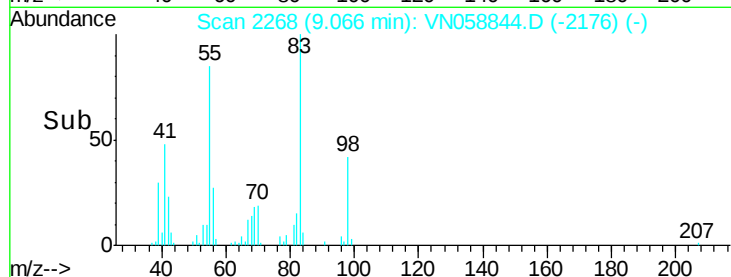
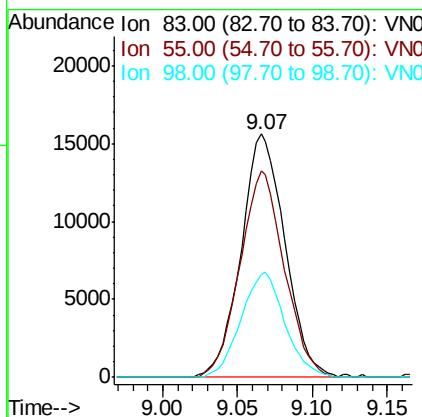
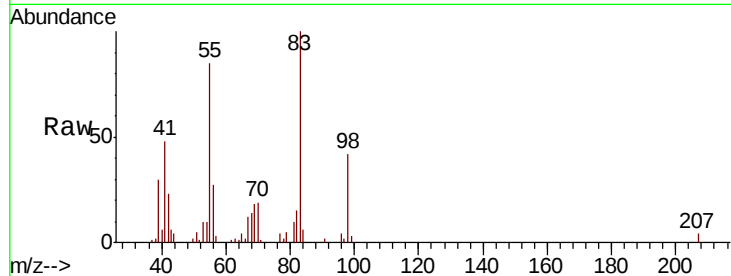
#39
Methvlcvclohexane
Concen: 4.532 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	65.5	98.3
98	42.2	35.7	53.5

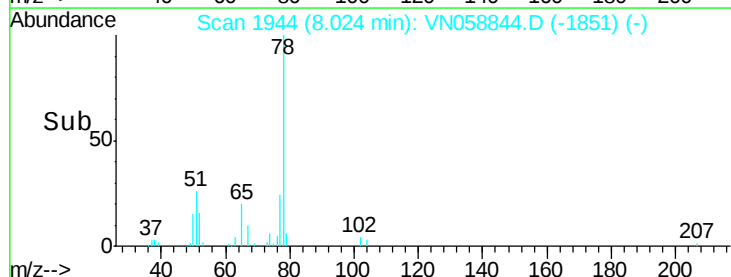
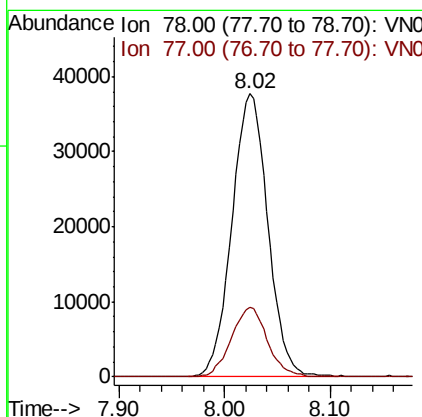
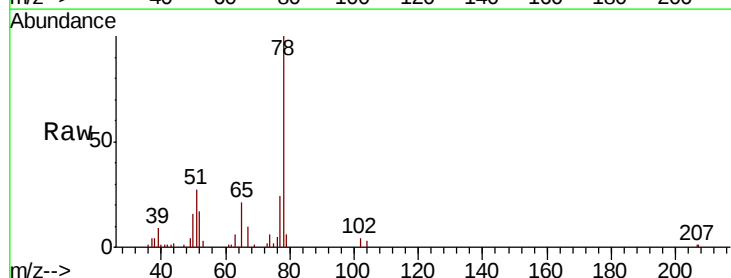
Manual Integrations
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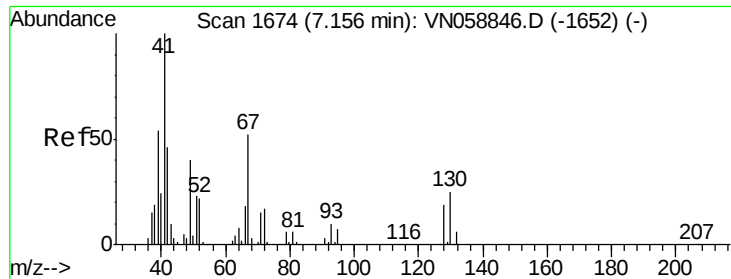
MMDadoda
10/21/2019 10:43:39 AM



#40
Benzene
Concen: 5.088 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.2	27.2





#41

Methacrylonitrile

Concen: 4.803 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 13572

Ion Ratio Lower Upper

41 100

39 118.8 0.0 0.0#

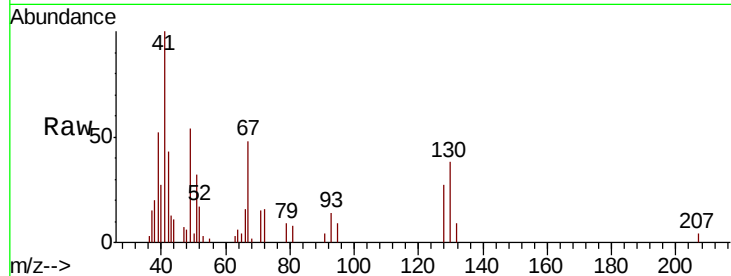
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda

10/21/2019 10:43:39 AM

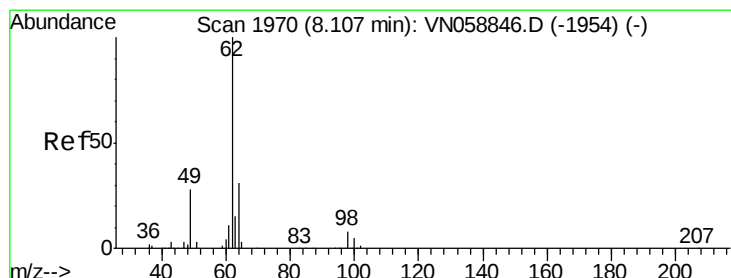
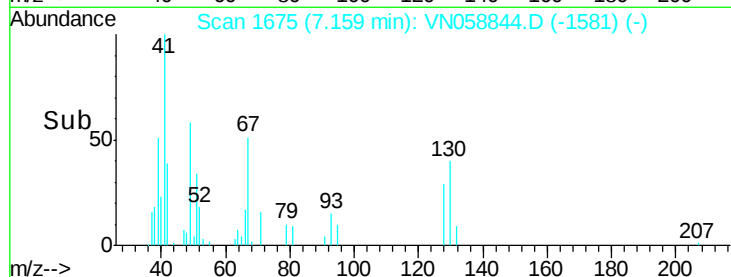
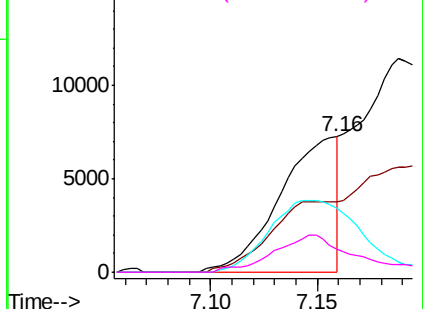


Abundance Ion 41.00 (40.70 to 41.70): VN0

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



#42

1,2-Dichloroethane

Concen: 5.263 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN058844.D

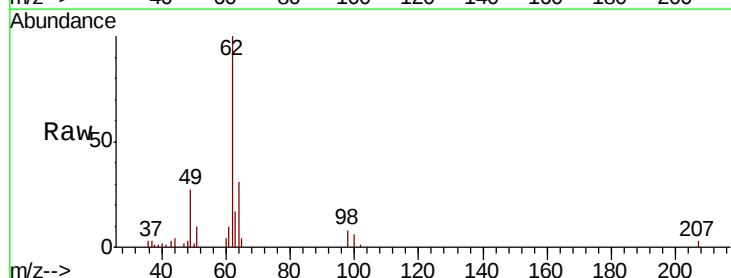
Acq: 18 Oct 2019 9:15

Tgt Ion: 62 Resp: 35400

Ion Ratio Lower Upper

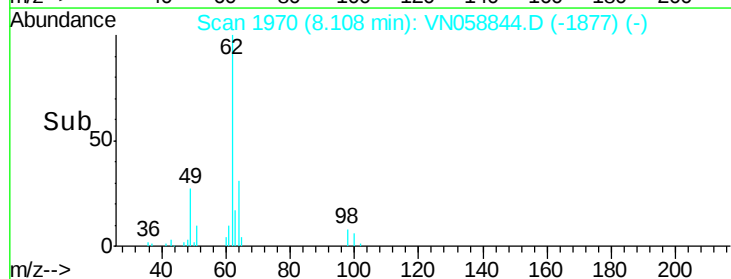
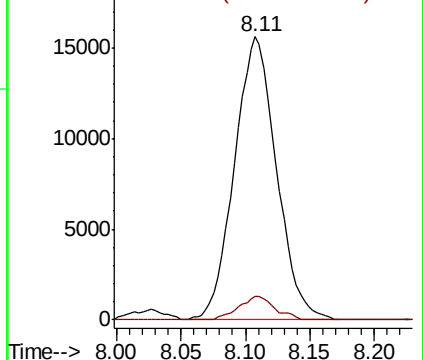
62 100

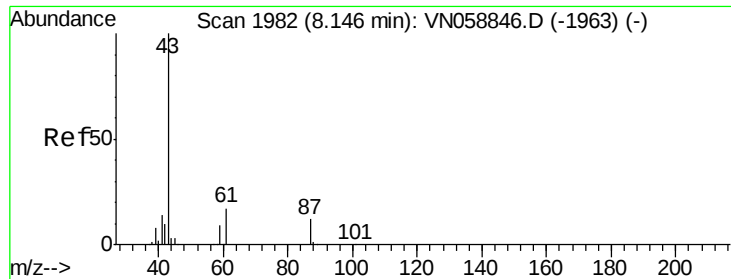
98 7.2 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





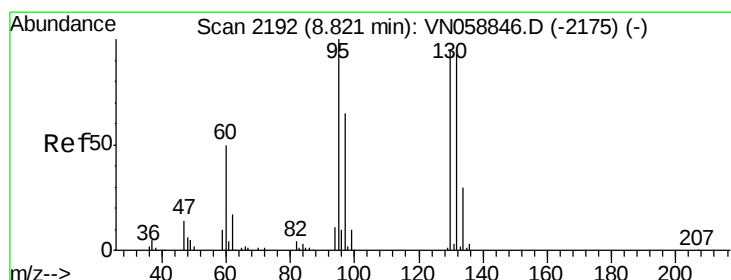
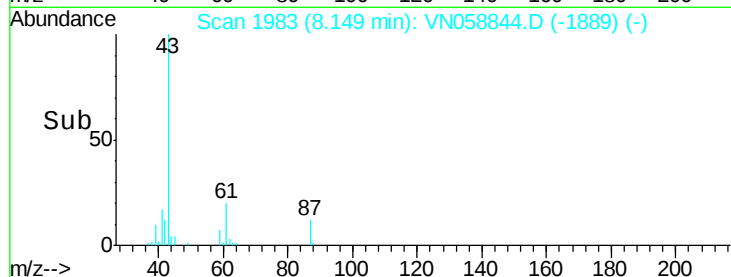
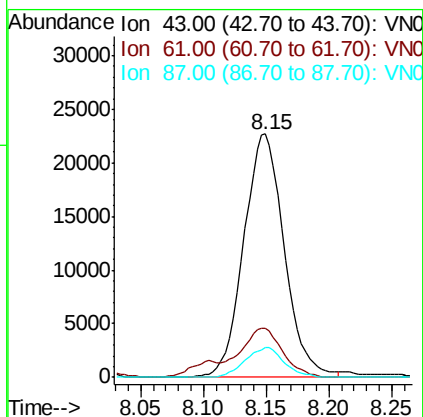
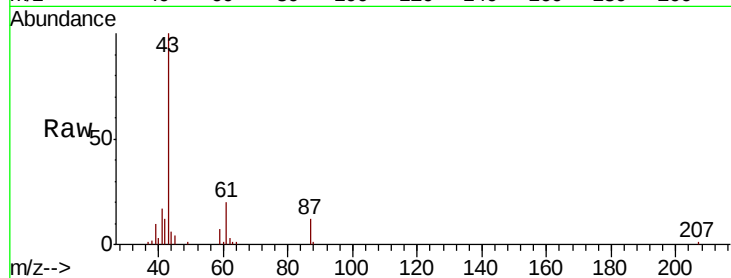
#43
Isopropyl Acetate
Concen: 4.854 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	20.2	30.2
87	11.6	9.5	14.3

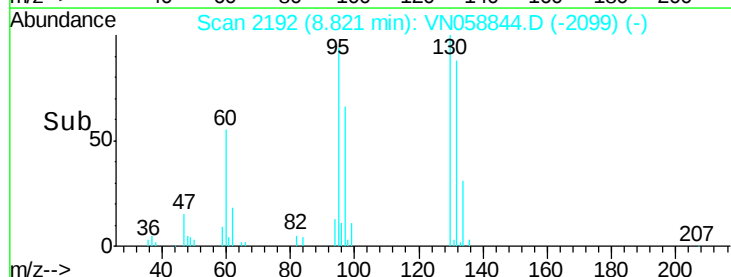
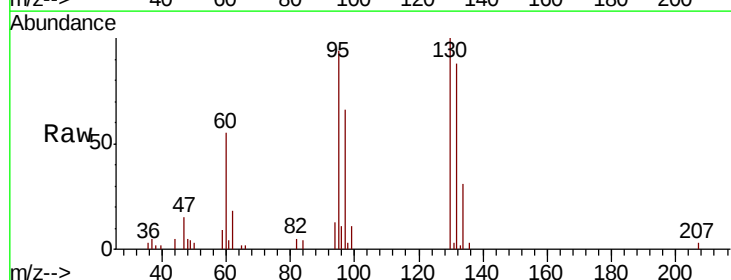
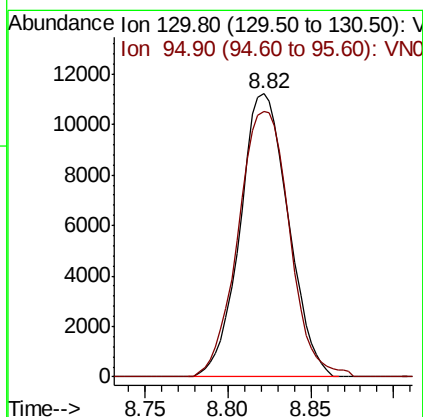
Manual Integrations
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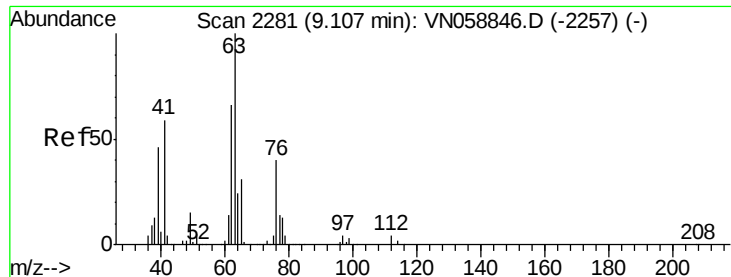
MMDadoda
10/21/2019 10:43:39 AM



#44
Trichloroethene
Concen: 5.272 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	209.6





#45

1,2-Dichloropropane

Concen: 5.183 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 24354

Ion Ratio Lower Upper

63 100

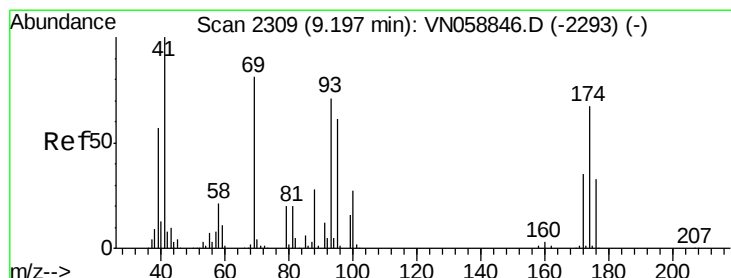
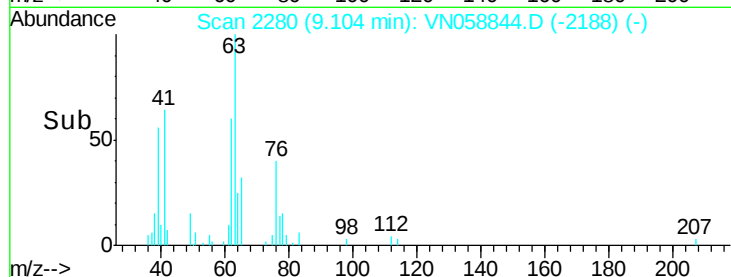
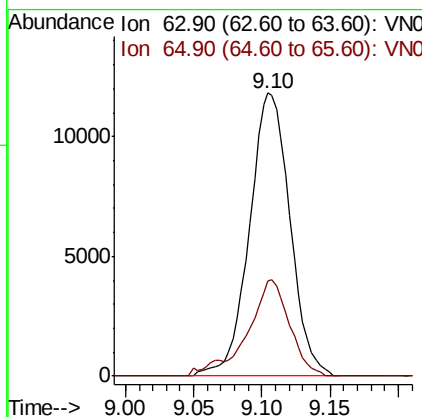
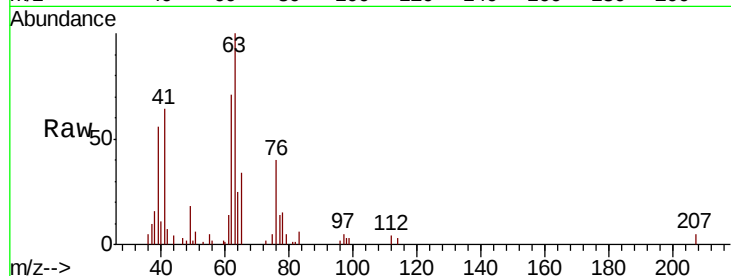
65 33.6 24.5 36.7

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#46

Dibromomethane

Concen: 5.335 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

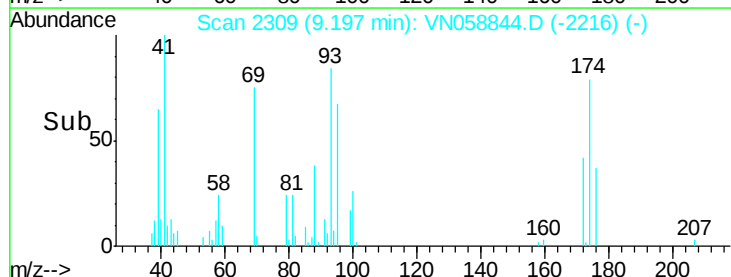
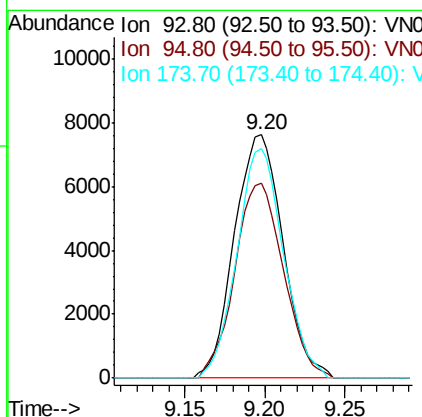
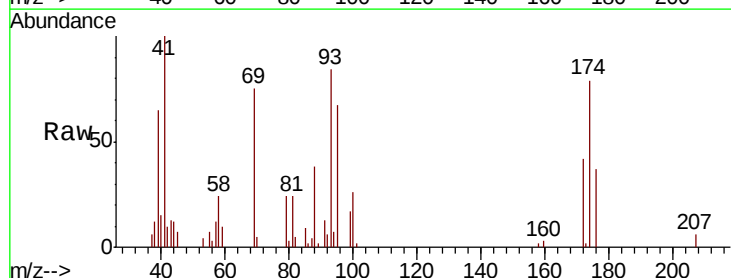
Tgt Ion: 93 Resp: 15840

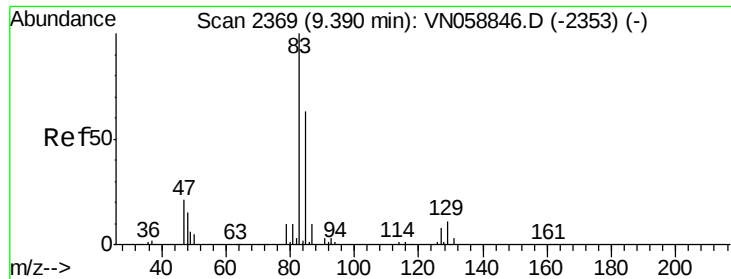
Ion Ratio Lower Upper

93 100

95 80.1 67.6 101.4

174 90.2 74.1 111.1





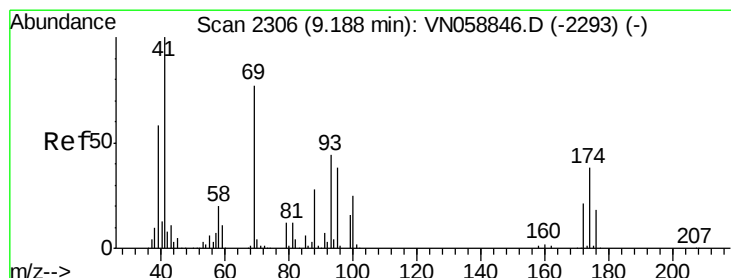
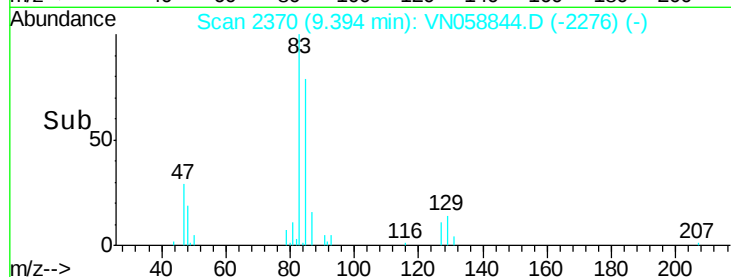
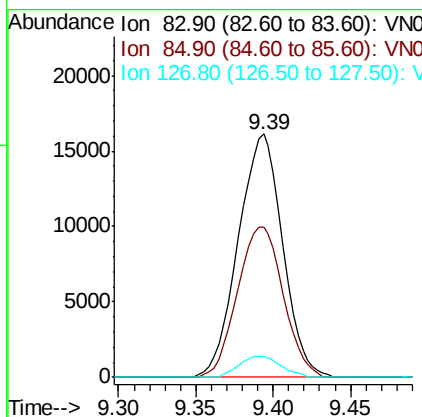
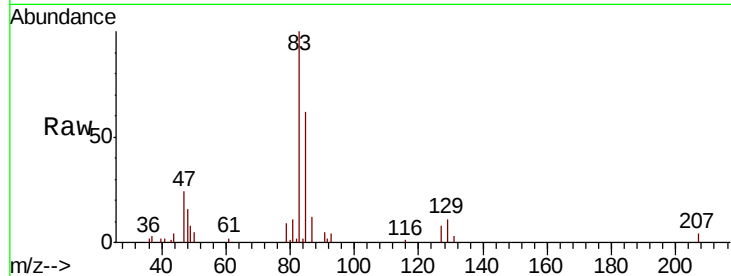
#47
Bromodichloromethane
Concen: 5.316 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.8	50.6	75.8
127	8.5	6.5	9.7

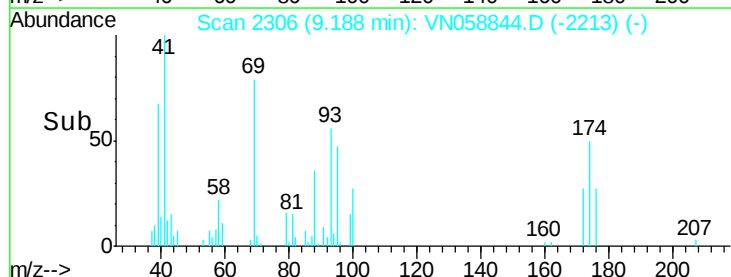
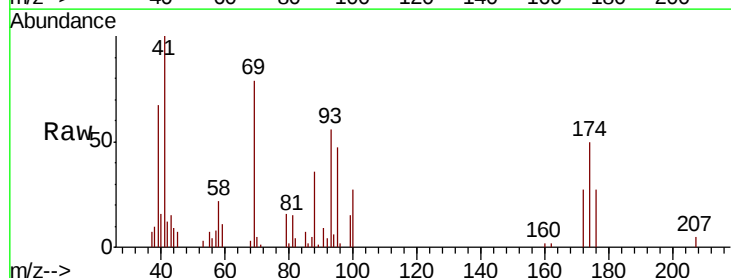
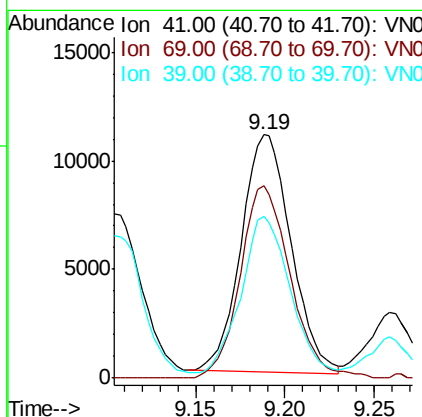
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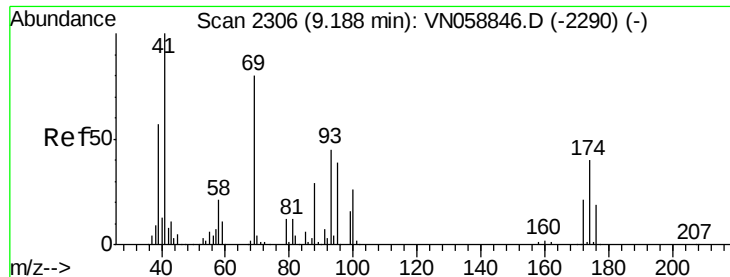
MMDadoda
10/21/2019 10:43:39 AM



#48
Methyl methacrylate
Concen: 4.479 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.1	63.8	95.6
39	65.8	47.8	71.8





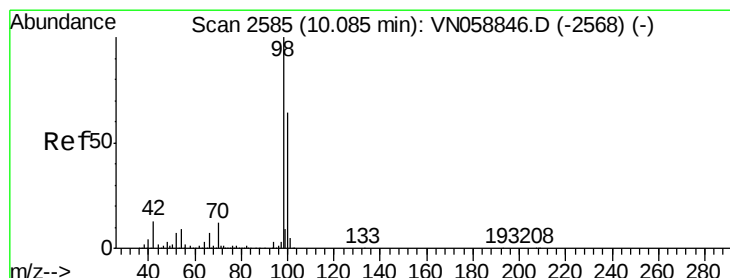
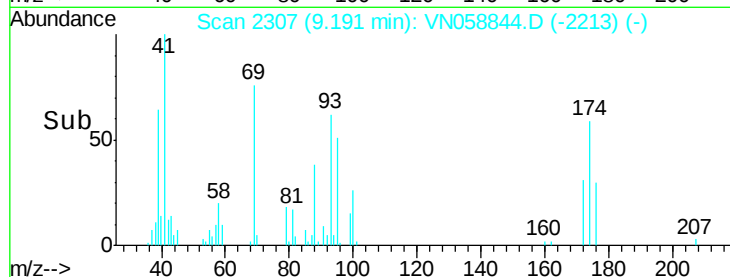
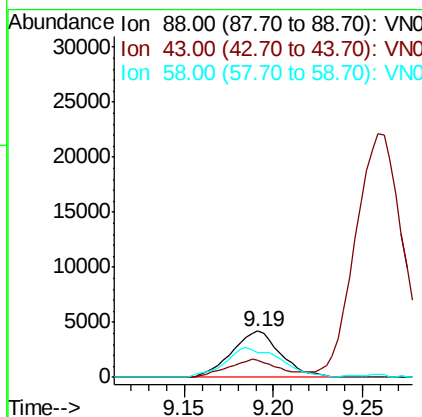
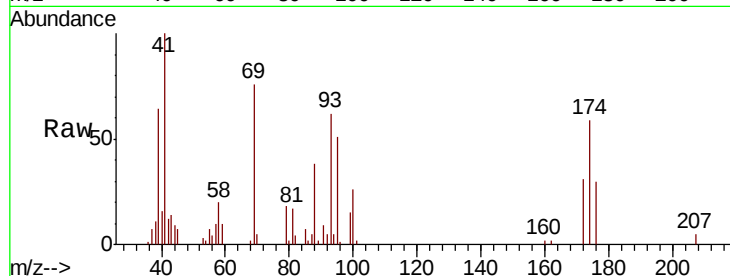
#49
1,4-Dioxane
Concen: 108.308 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.0	29.1	43.7
58	72.9	59.4	89.0

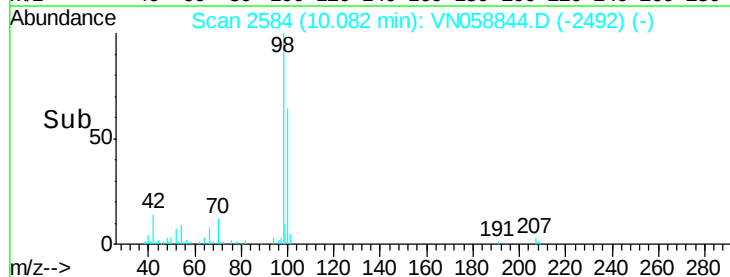
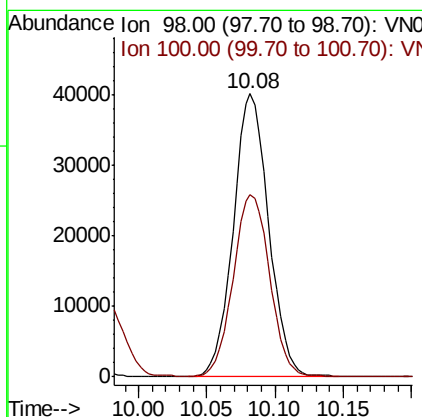
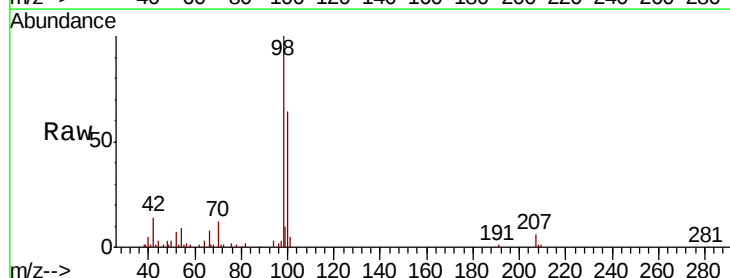
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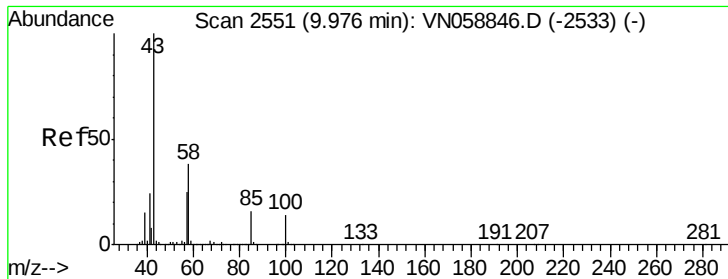
MMDadoda
10/21/2019 10:43:39 AM



#50
Toluene-d8
Concen: 4.869 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 25.848 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 153842

Ion Ratio Lower Upper

43 100

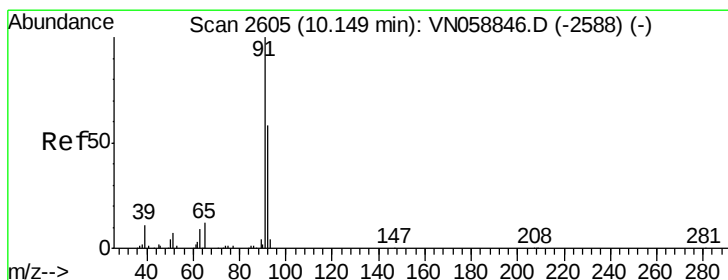
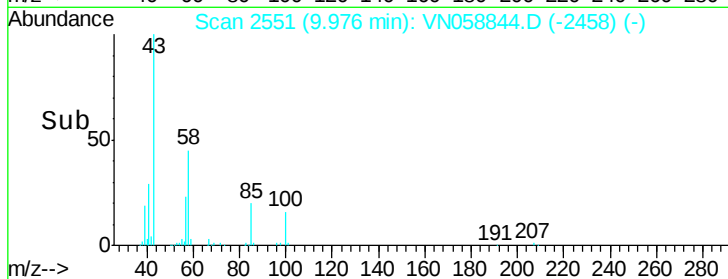
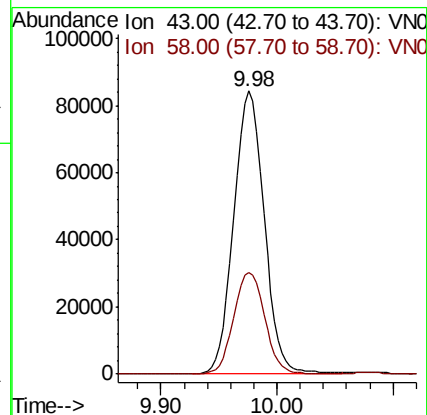
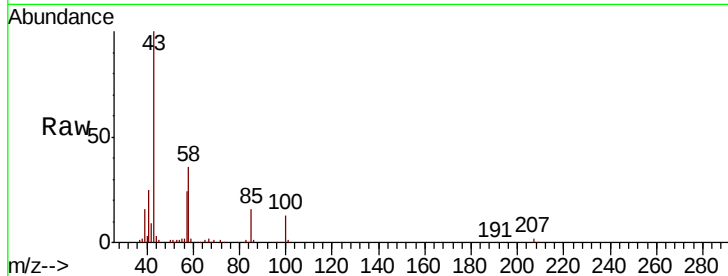
58 36.5 29.9 44.9

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#52

Toluene

Concen: 4.697 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058844.D

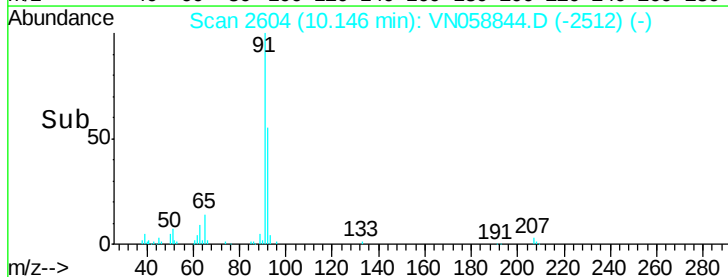
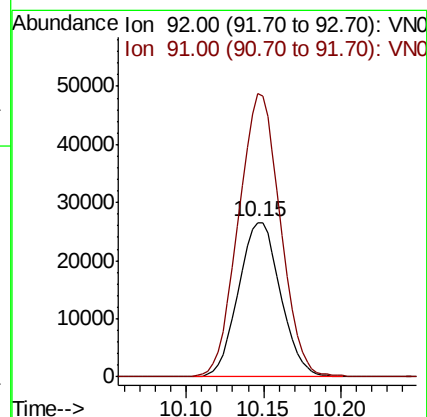
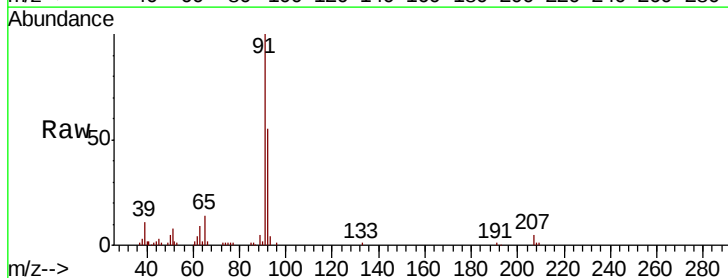
Acq: 18 Oct 2019 9:15

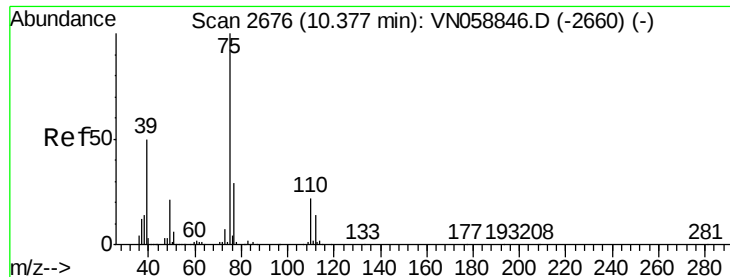
Tgt Ion: 92 Resp: 50251

Ion Ratio Lower Upper

92 100

91 182.7 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 4.737 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 32893

Ion Ratio Lower Upper

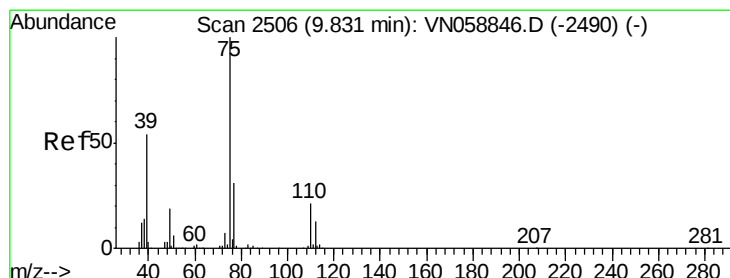
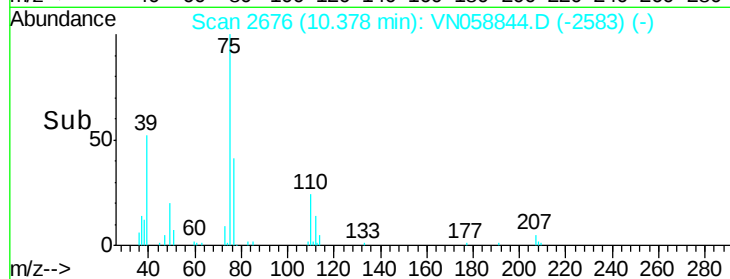
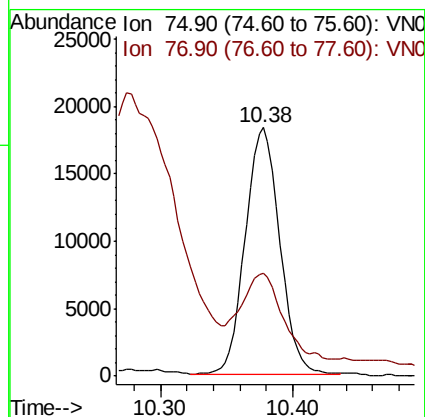
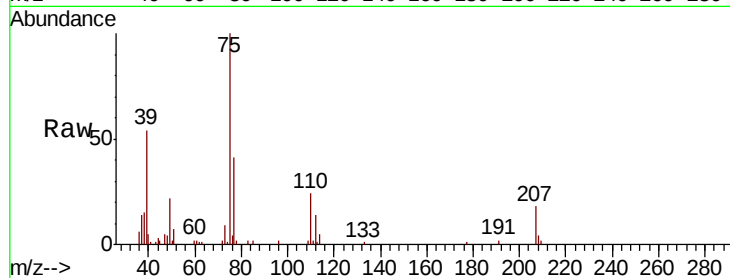
75 100

77 35.0 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 4.875 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

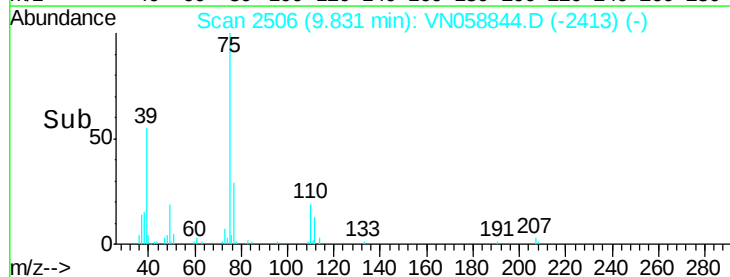
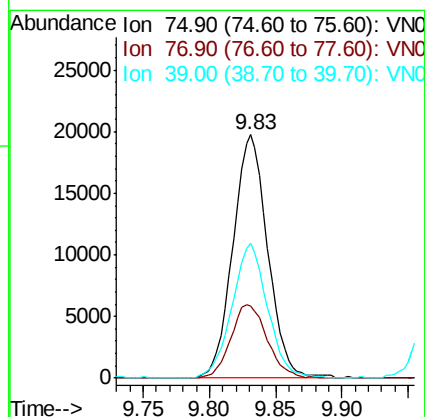
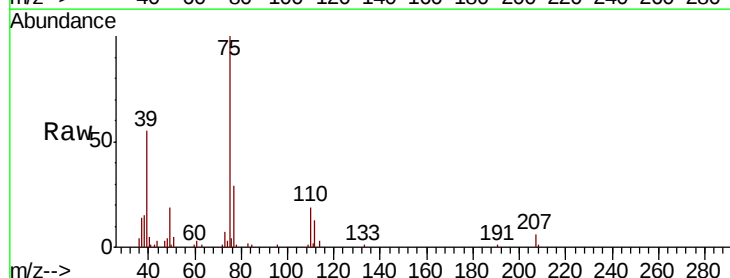
Tgt Ion: 75 Resp: 35993

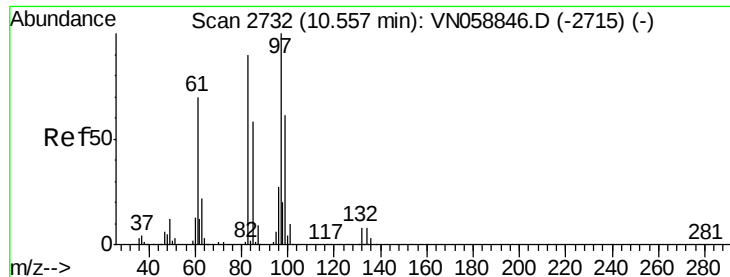
Ion Ratio Lower Upper

75 100

77 29.4 24.7 37.1

39 55.5 43.5 65.3





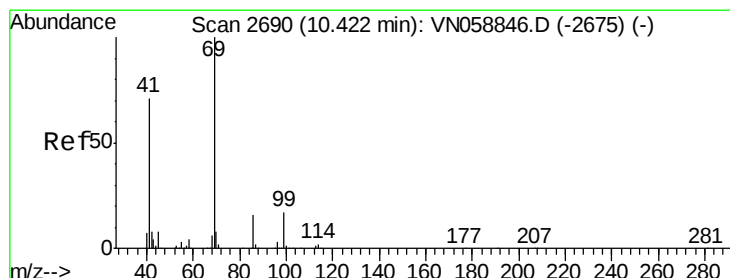
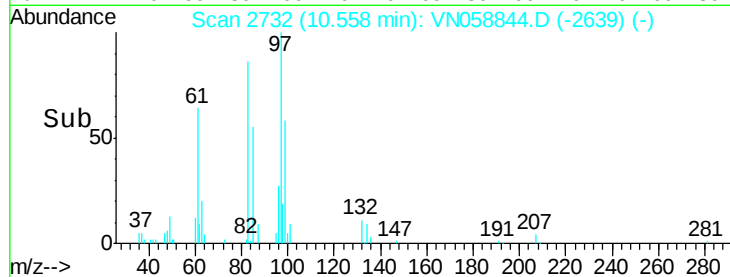
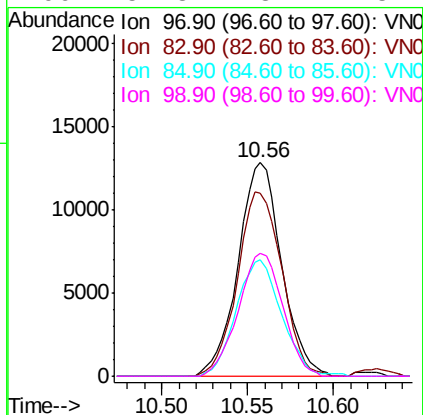
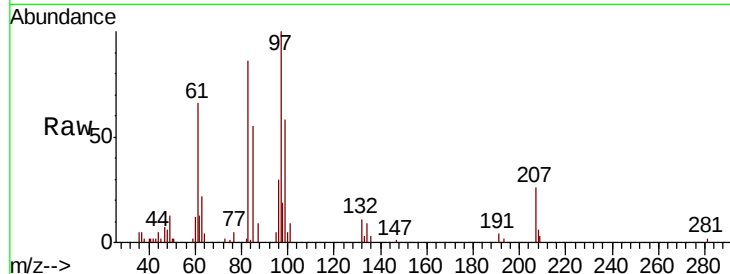
#55
 1,1,2-Trichloroethane
 Concen: 5.144 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	22538
Ion	Ratio	Lower	Upper
97	100		
83	85.9	72.2	108.4
85	54.8	46.2	69.2
99	57.8	48.7	73.1

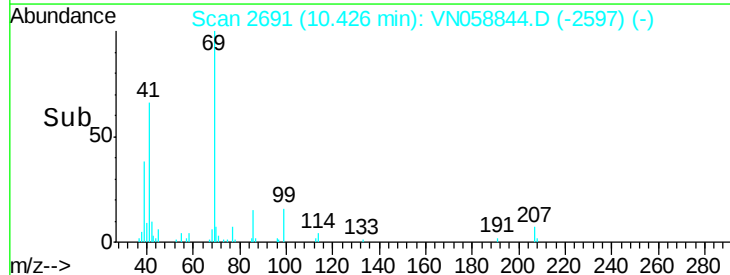
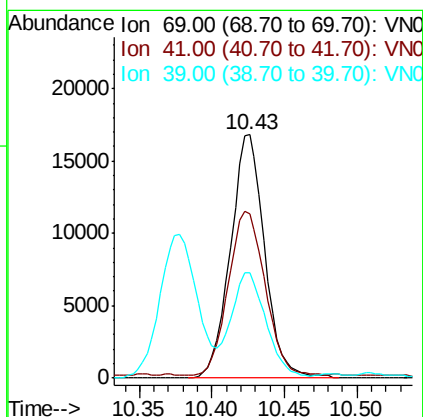
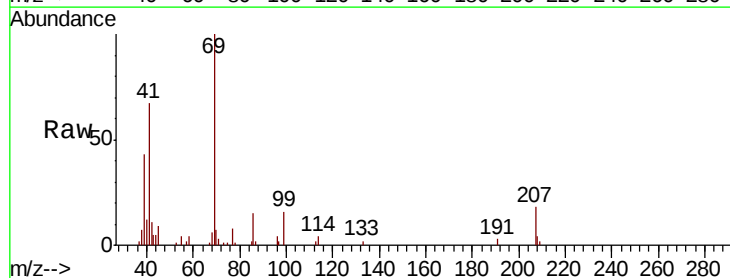
Manual Integrations
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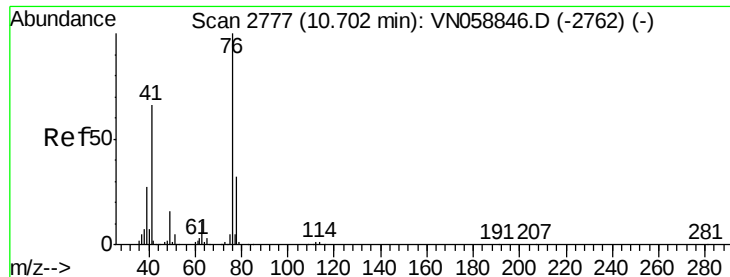
MMDadoda
 10/21/2019 10:43:39 AM



#56
 Ethyl methacrylate
 Concen: 4.285 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion:	69	Resp:	27429
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.2	85.8
39	43.0	31.0	46.4





#57

1,3-Dichloropropane

Concen: 5.065 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 37902

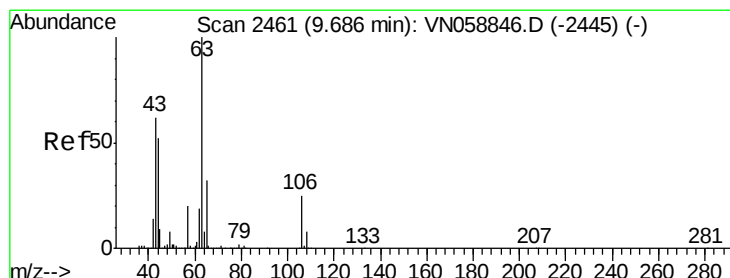
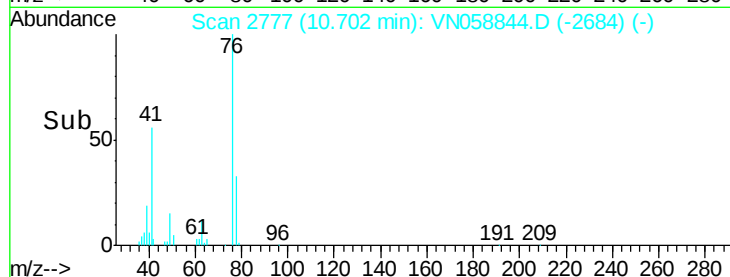
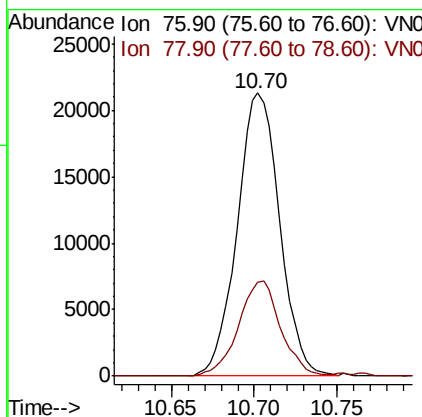
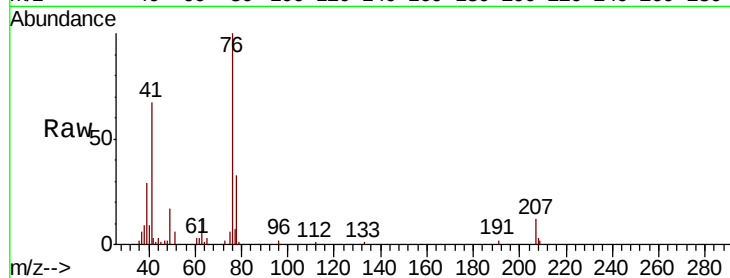
Ion Ratio Lower Upper

76 100

78 33.3 25.4 38.0

Manual Integrations
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10/21/2019 10:43:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 20.336 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058844.D

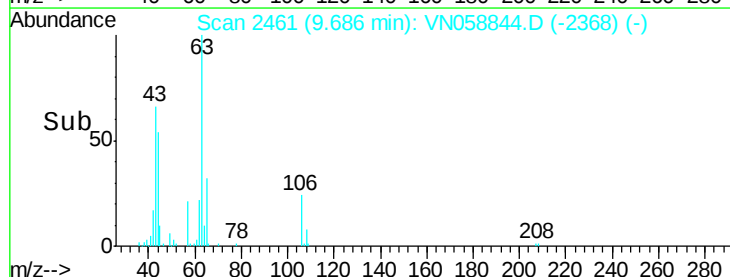
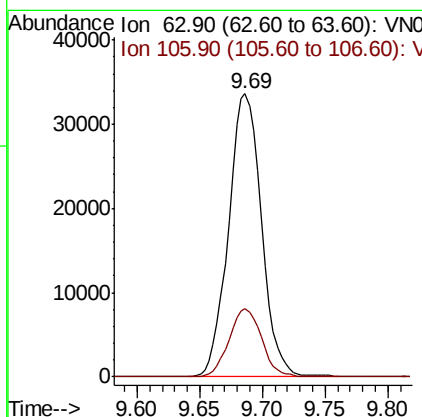
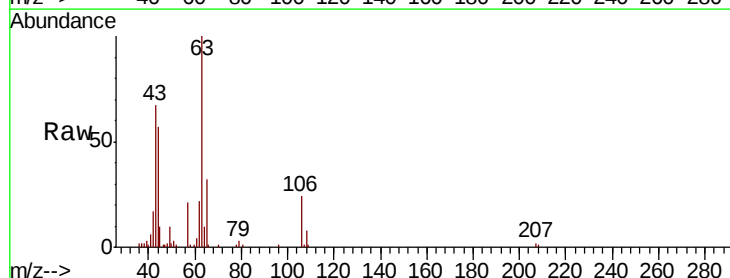
Acq: 18 Oct 2019 9:15

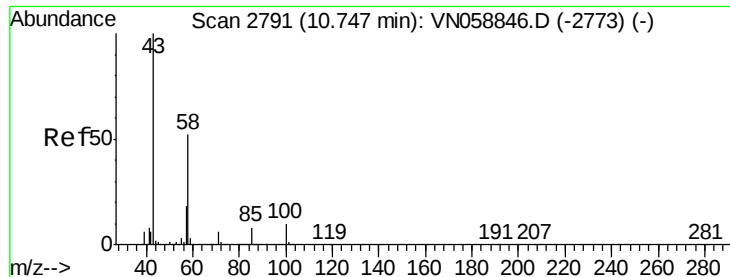
Tgt Ion: 63 Resp: 61571

Ion Ratio Lower Upper

63 100

106 23.7 19.8 29.8





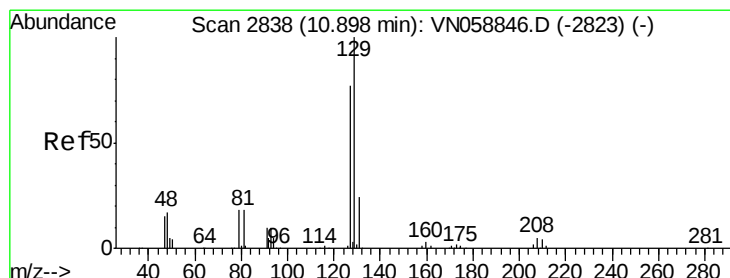
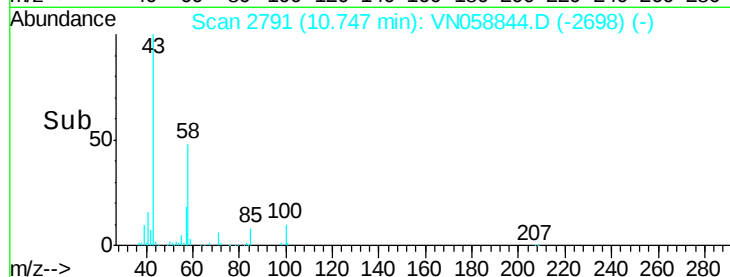
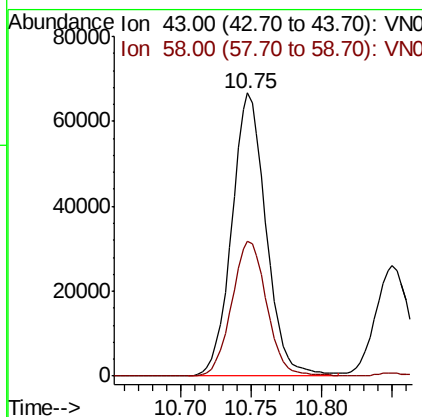
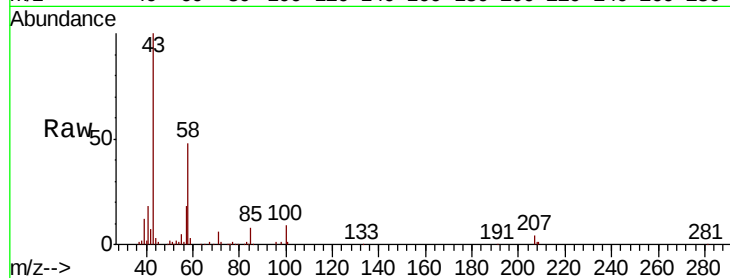
#59
2-Hexanone
Concen: 24.404 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 112593
Ion Ratio Lower Upper
43 100
58 49.1 25.9 77.7

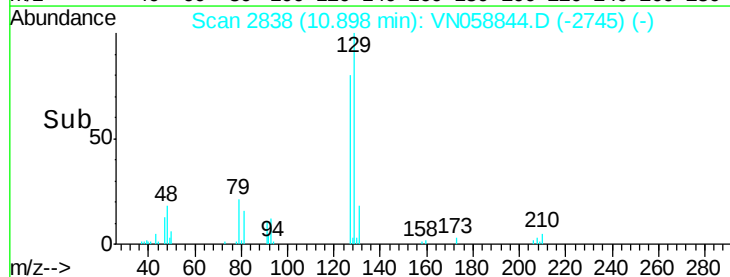
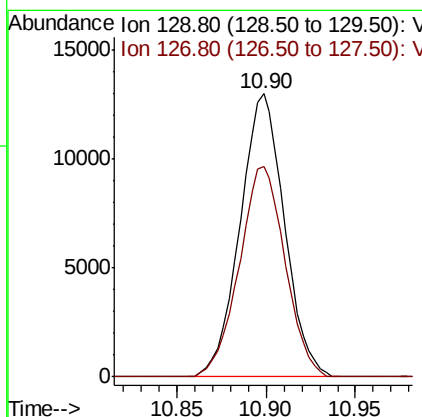
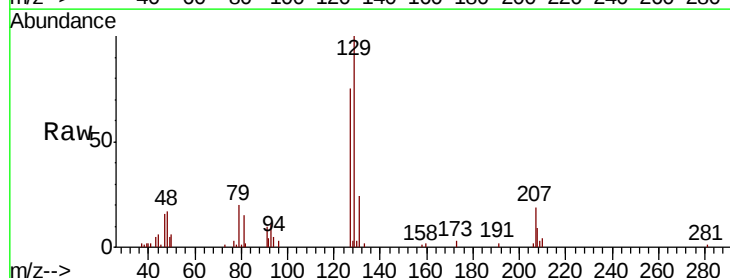
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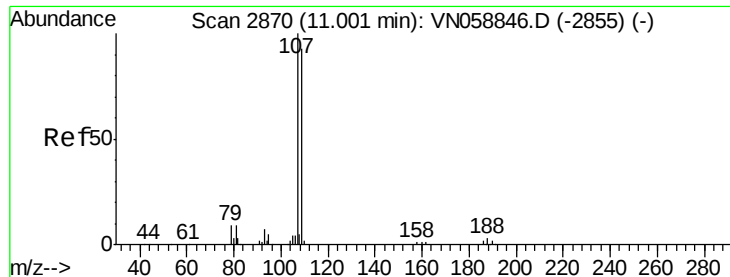
MMDadoda
10/21/2019 10:43:39 AM



#60
Dibromochloromethane
Concen: 4.987 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion: 129 Resp: 22562
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3





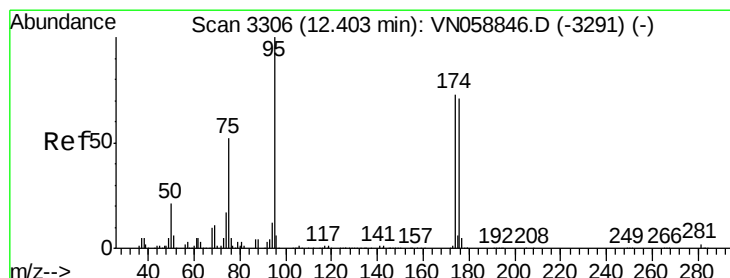
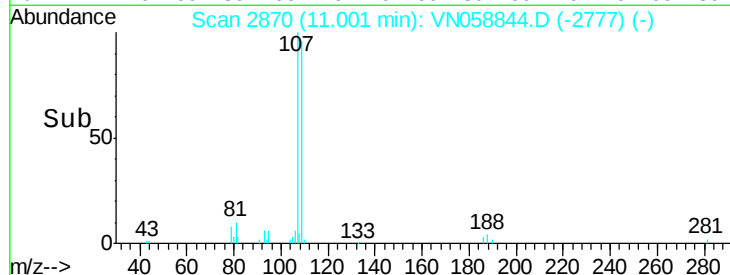
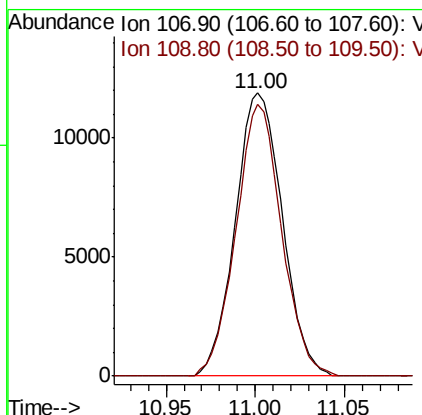
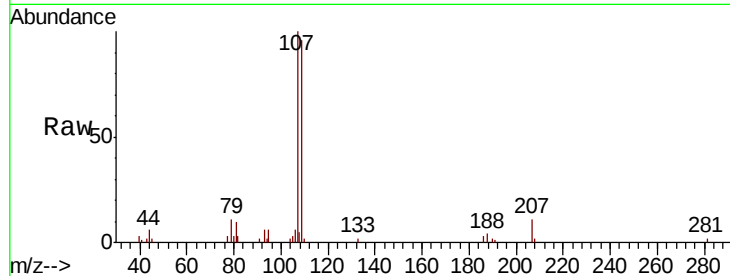
#61
 1,2-Dibromoethane
 Concen: 4.984 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	75.2	112.8

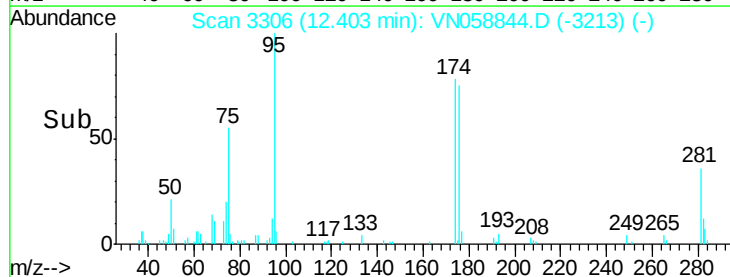
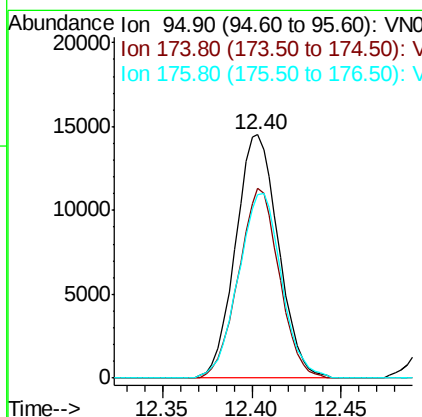
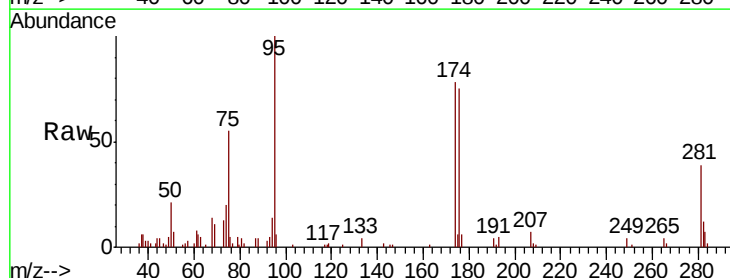
Manual Integrations
 APPROVED

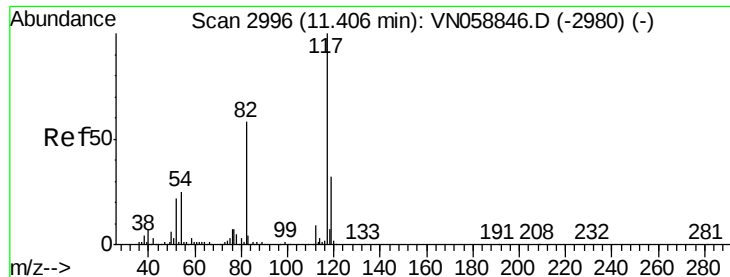
MMDadoda
 10/21/2019 10:43:39 AM



#62
 4-Bromofluorobenzene
 Concen: 4.356 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	147.6
176	76.5	0.0	143.2





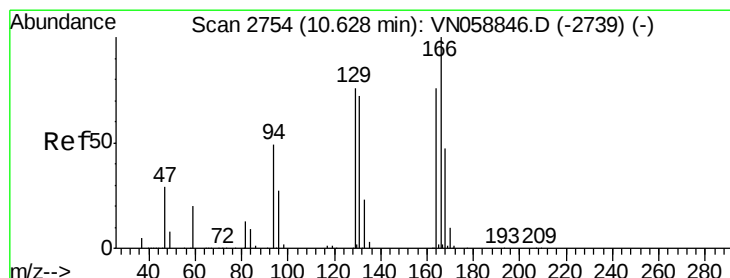
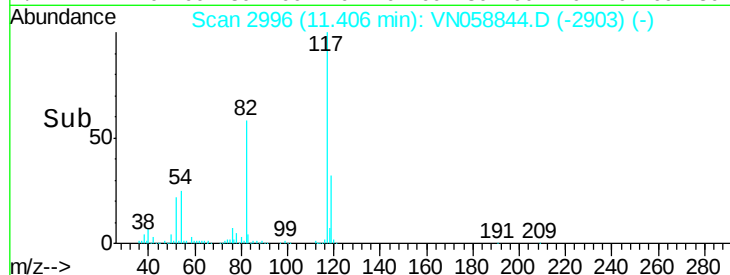
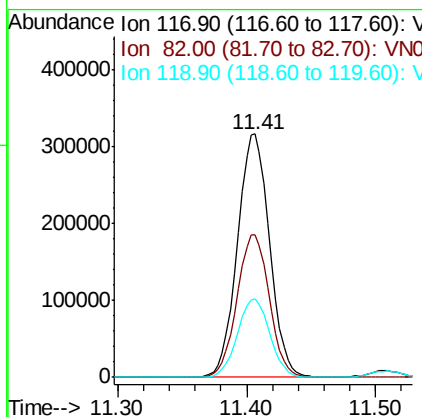
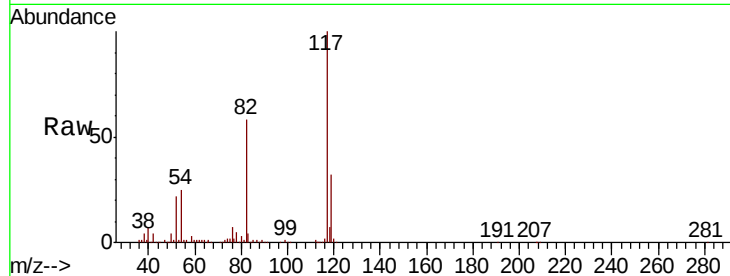
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	548203		
82	58.5		46.6	69.8
119	32.1		25.6	38.4

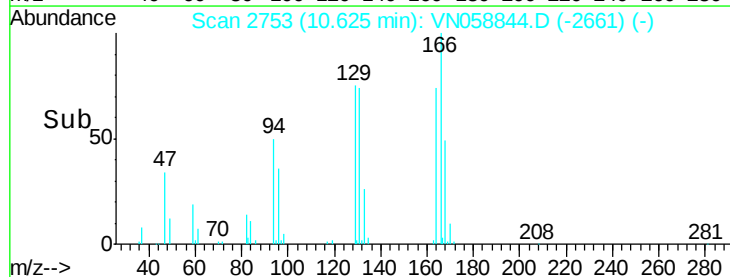
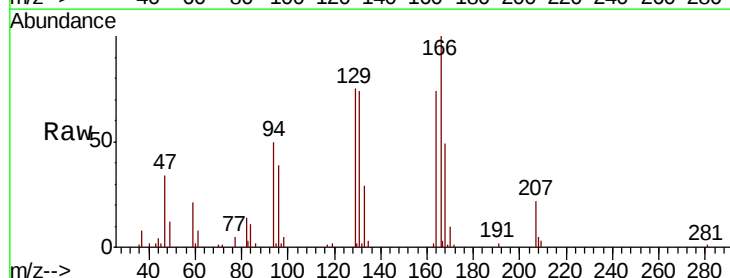
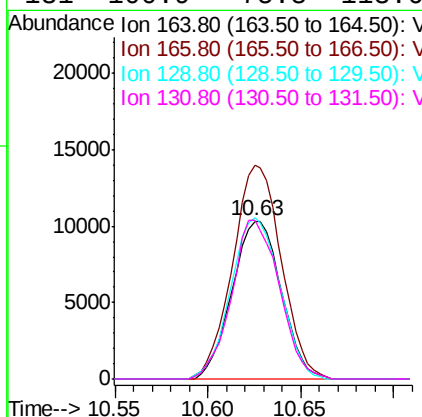
Manual Integrations
APPROVED

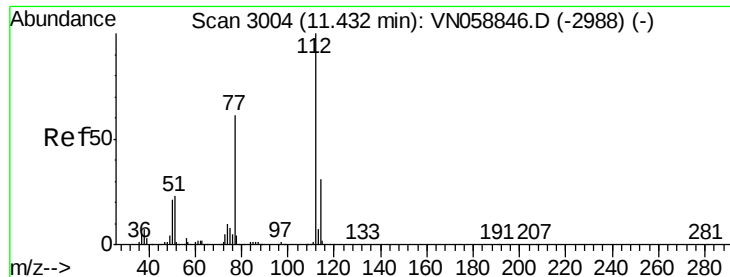
MMDadoda
10/21/2019 10:43:39 AM



#64
Tetrachloroethene
Concen: 4.926 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19011		
166	135.6		104.8	157.2
129	102.1		79.3	118.9
131	100.9		75.8	113.6





#65

Chlorobenzene

Concen: 4.862 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 54447

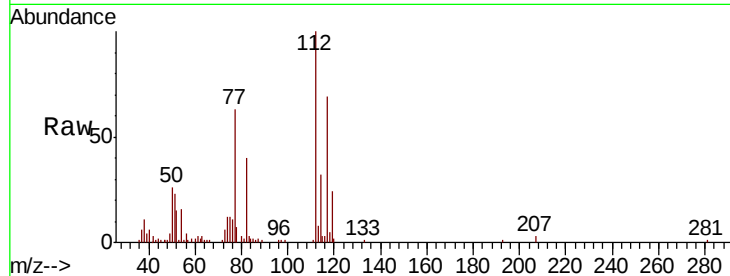
Ion Ratio Lower Upper

112 100

114 32.2 25.1 37.7

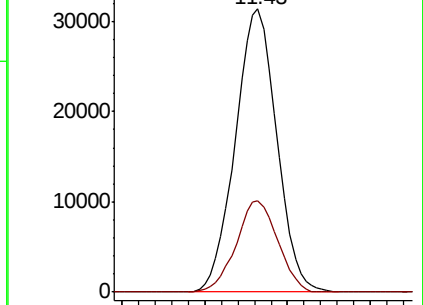
Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:39 AM

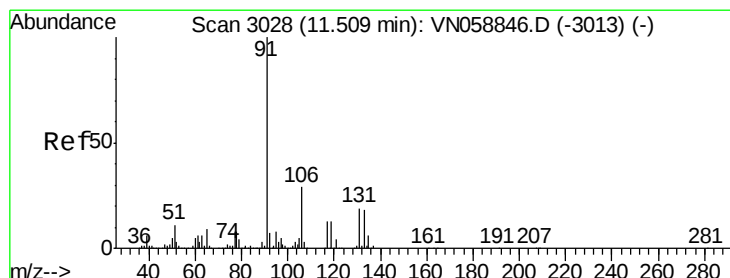
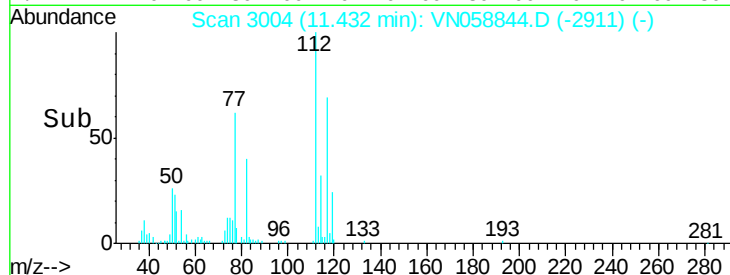


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 5.175 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

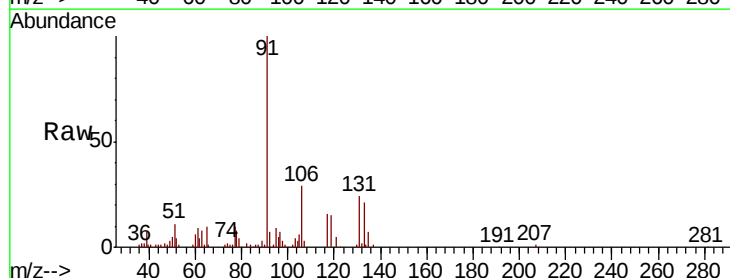
Tgt Ion:131 Resp: 21447

Ion Ratio Lower Upper

131 100

133 96.9 48.4 145.2

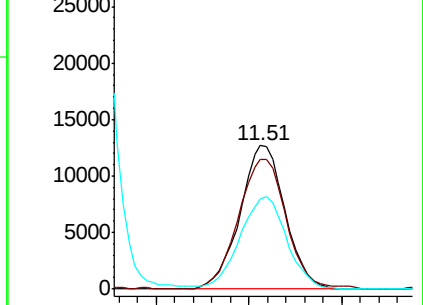
119 67.7 33.6 100.8



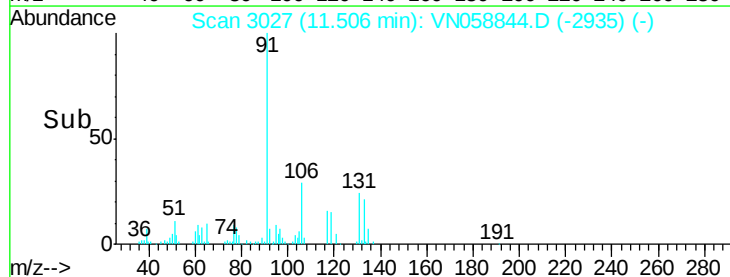
Abundance Ion 130.80 (130.50 to 131.50): V

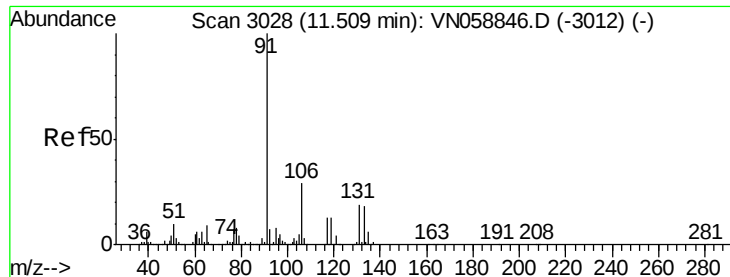
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 4.702 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 93837

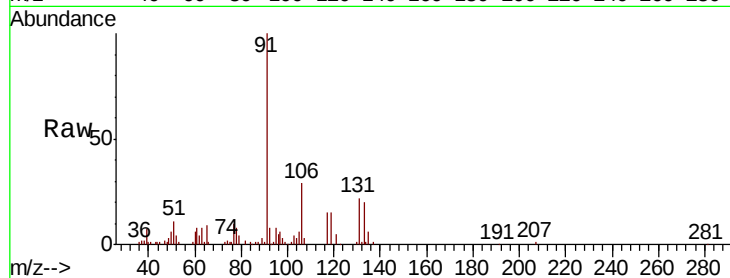
Ion Ratio Lower Upper

91 100

106 29.2 23.4 35.0

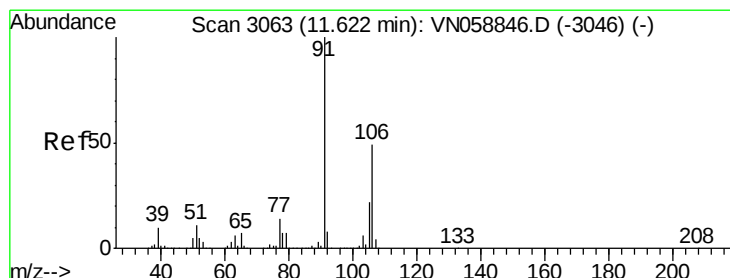
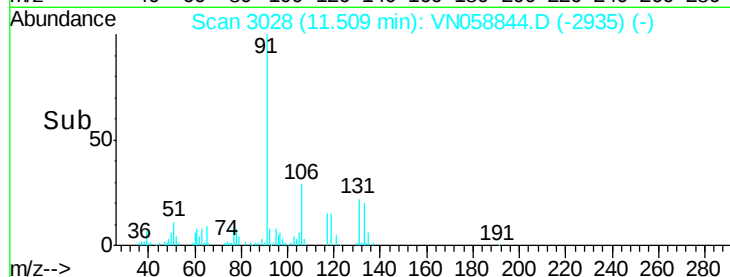
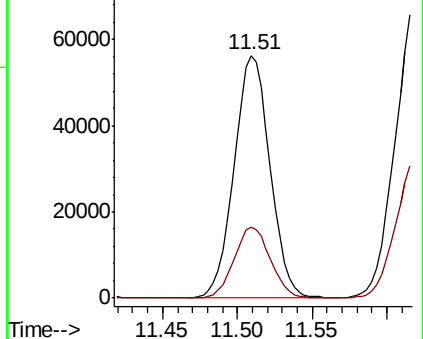
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Abundance Ion 91.00 (90.70 to 91.70): VN058844.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN058844.D (-2935) (-)



#68

m/p-Xylenes

Concen: 8.744 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058844.D

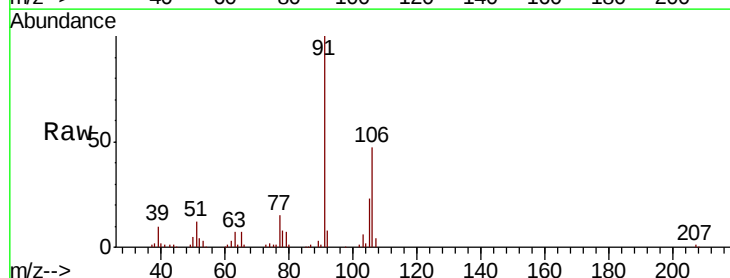
Acq: 18 Oct 2019 9:15

Tgt Ion: 106 Resp: 65465

Ion Ratio Lower Upper

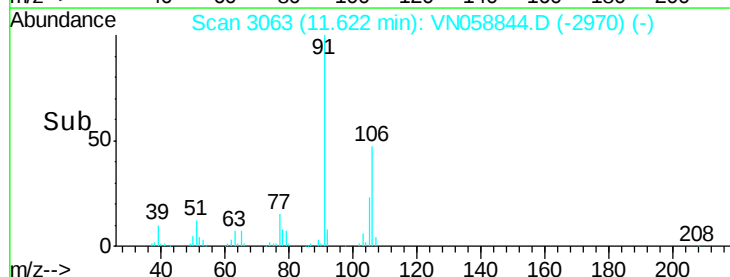
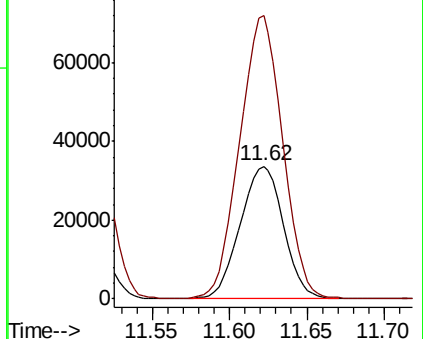
106 100

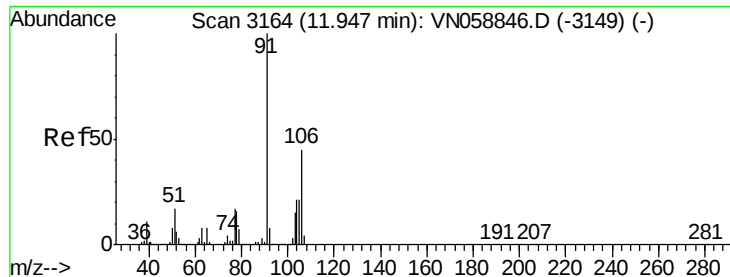
91 212.9 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058844.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN058844.D (-2970) (-)





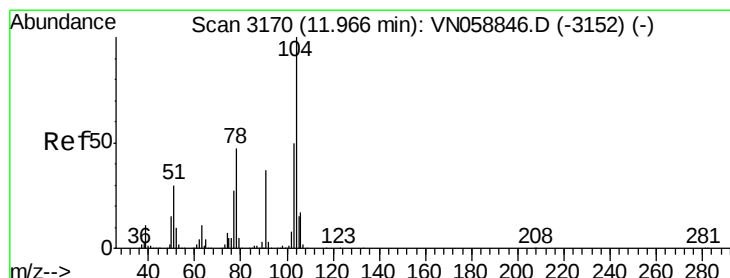
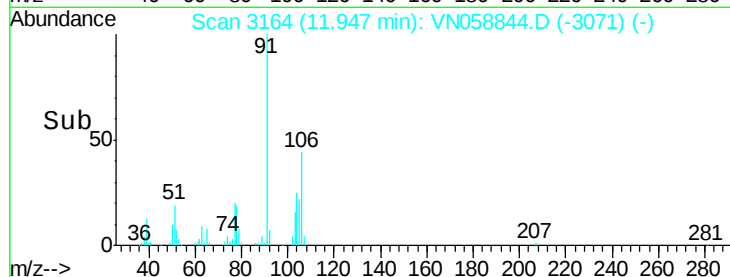
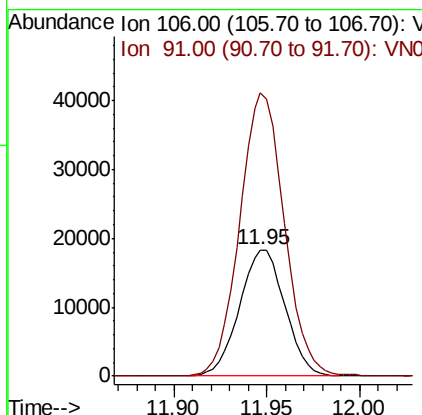
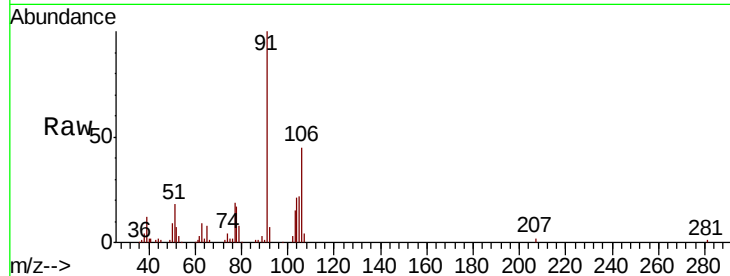
#69
o-Xylene
Concen: 4.296 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
31083	106	100		
	91	220.7	111.5	334.4

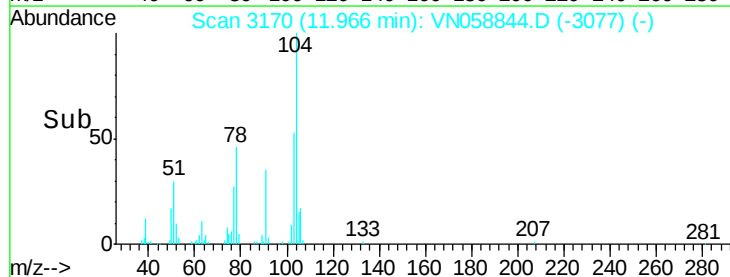
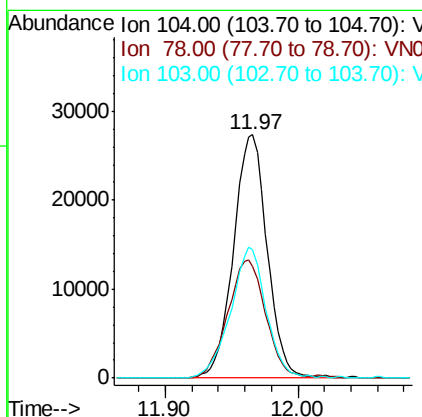
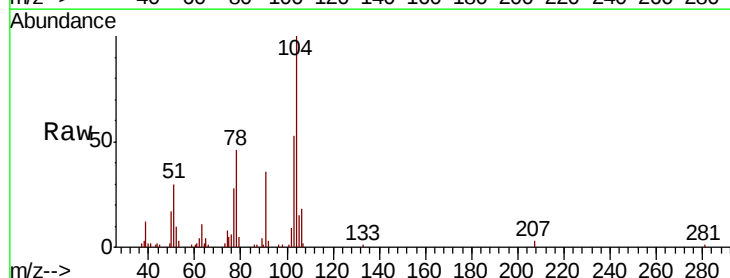
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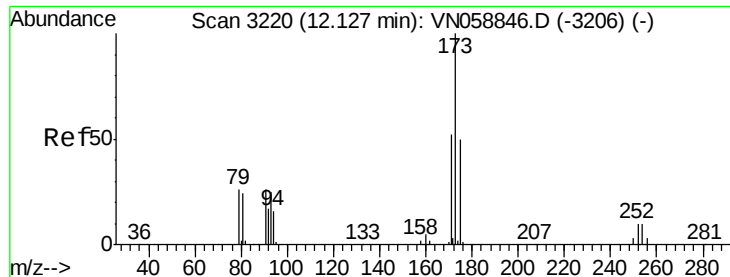
MMDadoda
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#70
Styrene
Concen: 4.076 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ion	Ratio	Lower	Upper
48314	104	100		
	78	54.4	42.8	64.2
	103	56.6	44.3	66.5





#71

Bromoform

Concen: 4.971 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

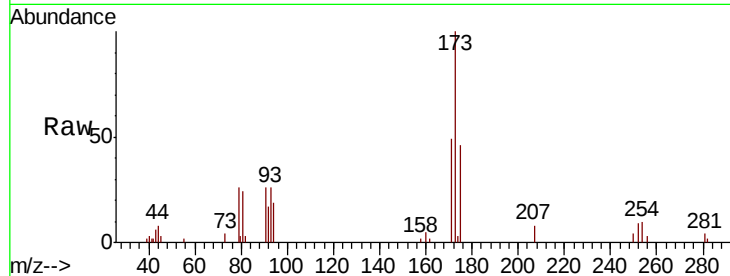
ClientSampleId :

VSTDIC005

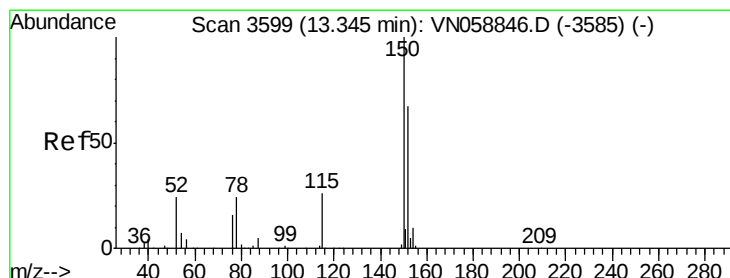
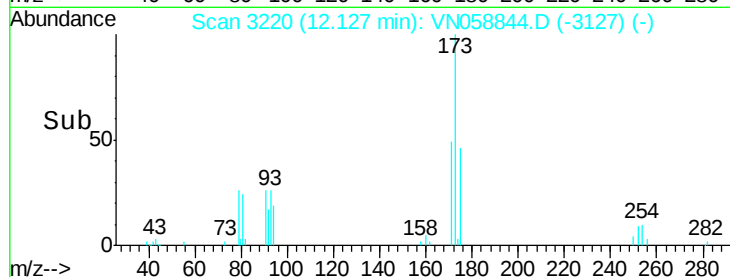
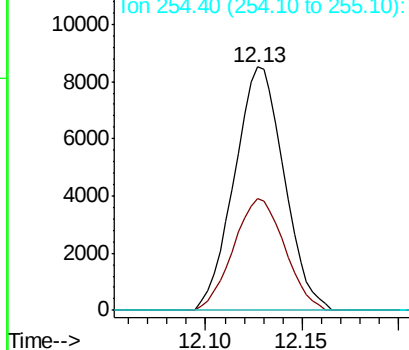
Tot Ion:	173	Resp:	15204
Ion Ratio	Lower	Upper	
173	100		
175	47.3	24.7	74.1
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

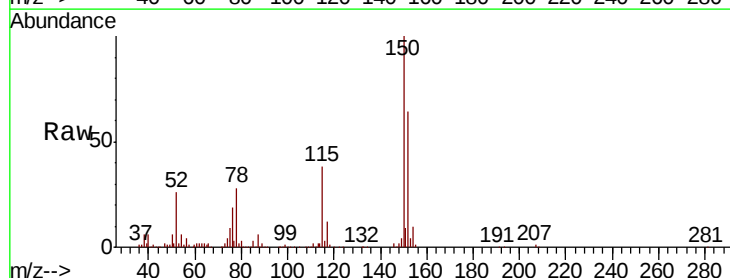
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

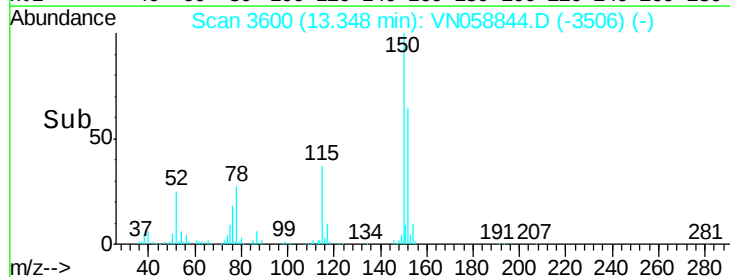
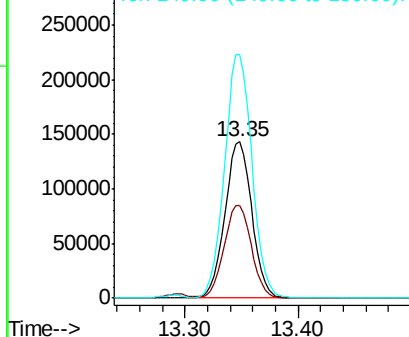
Lab File: VN058844.D

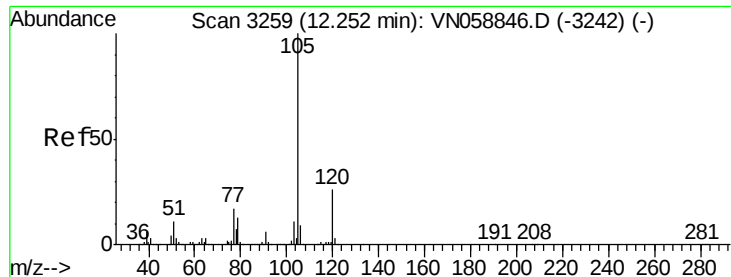
Acq: 18 Oct 2019 9:15

Tgt Ion:	152	Resp:	236972
Ion Ratio	Lower	Upper	
152	100		
115	59.9	30.5	91.5
150	158.3	0.0	344.4



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





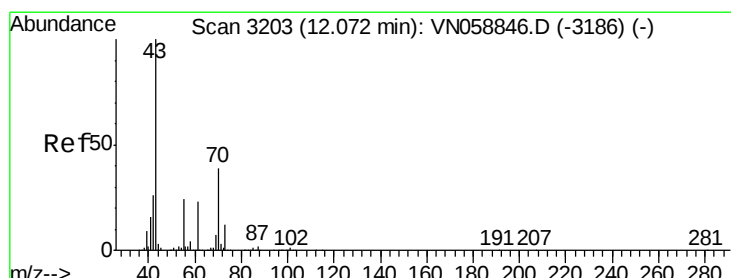
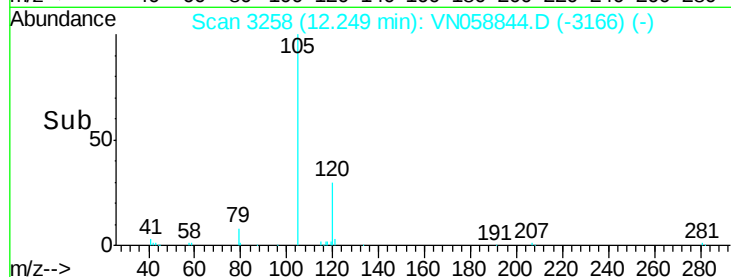
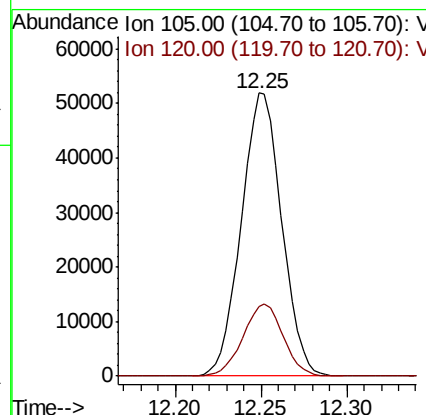
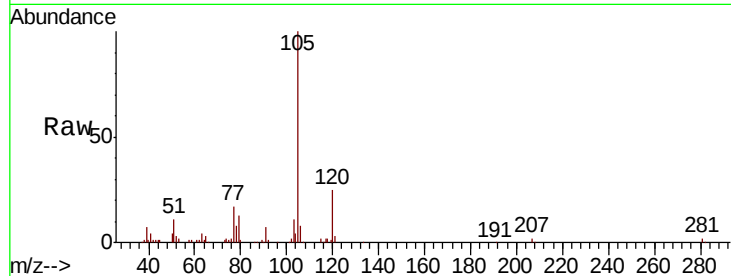
#73
Isopropylbenzene
Concen: 4.890 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.8	38.4

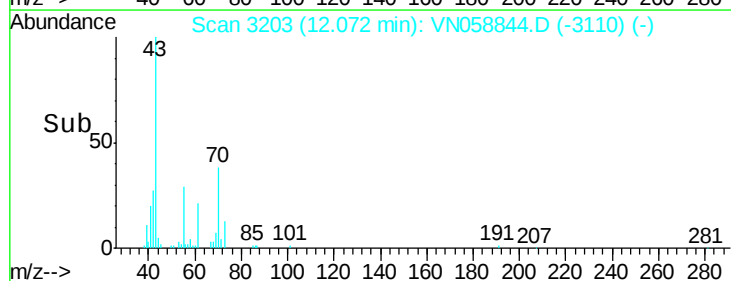
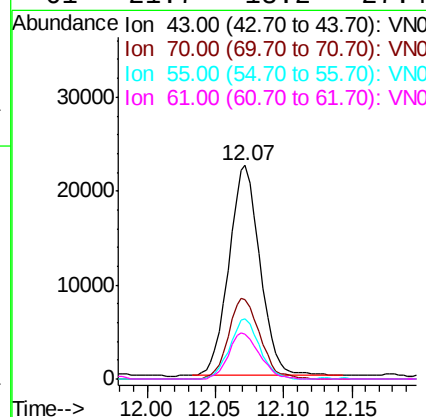
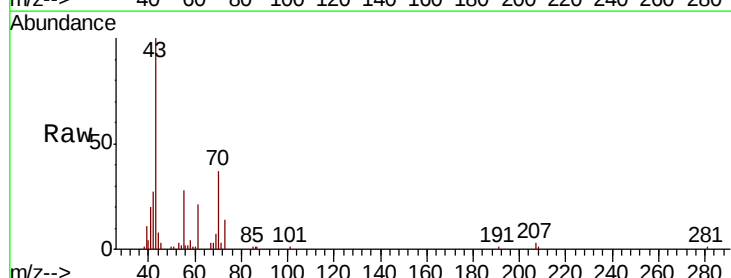
Manual Integrations
APPROVED

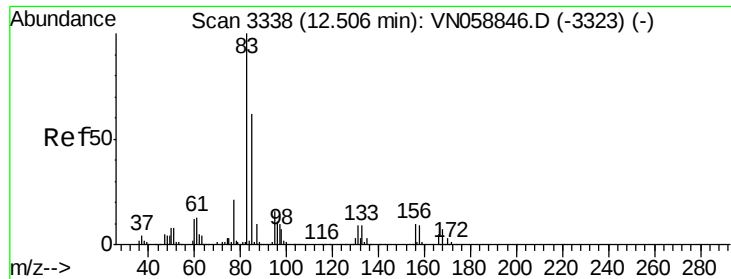
MMDadoda
10/21/2019 10:43:39 AM



#74
N-ethyl acetate
Concen: 4.552 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	30.9	46.3
55	27.3	19.7	29.5
61	21.7	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.501 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

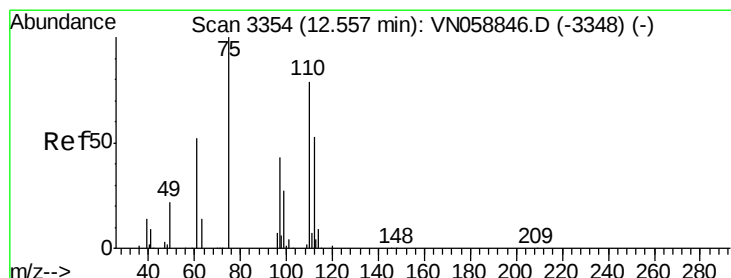
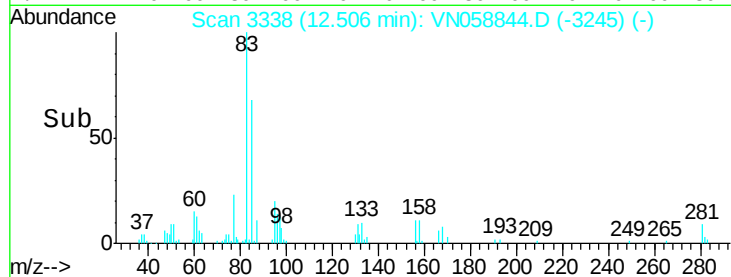
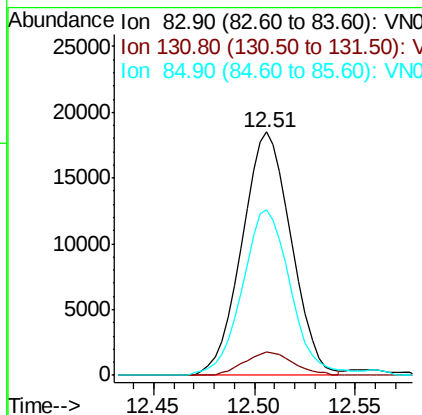
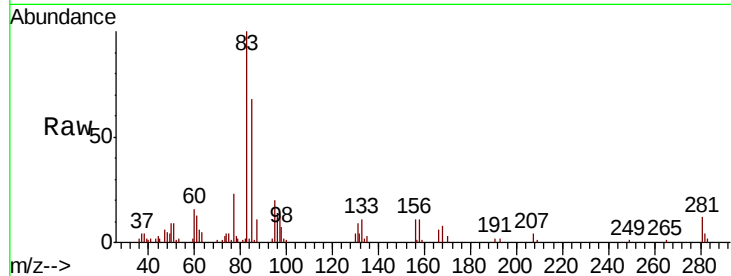
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	31581
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	66.7	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.766 ug/l m

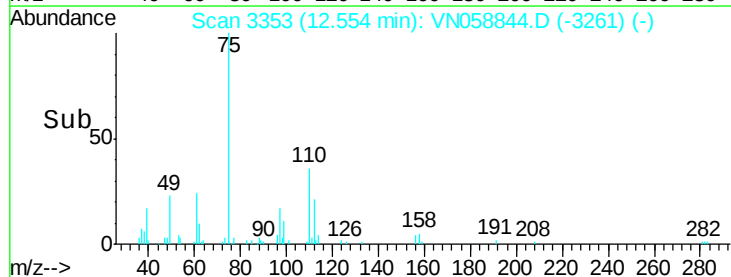
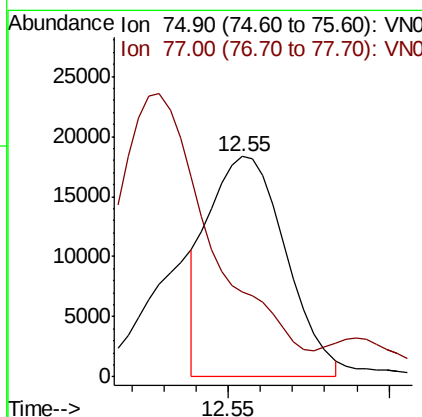
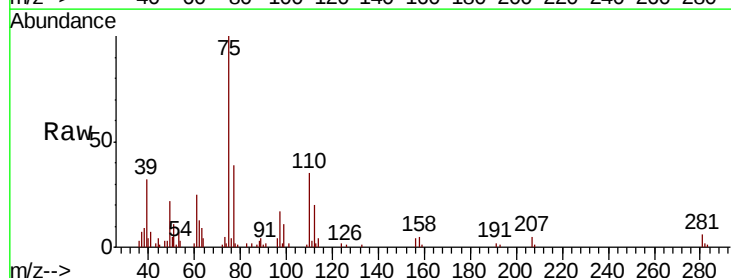
RT: 12.55 min Scan# 3353

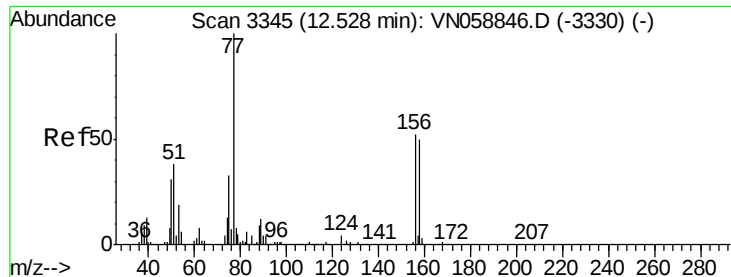
Delta R.T. -0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Tgt Ion:	75	Resp:	30751
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.250 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

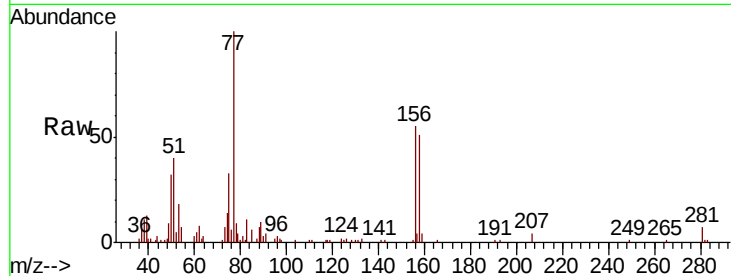
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.4	118.0	354.0
158	96.3	48.3	144.8

Manual Integrations
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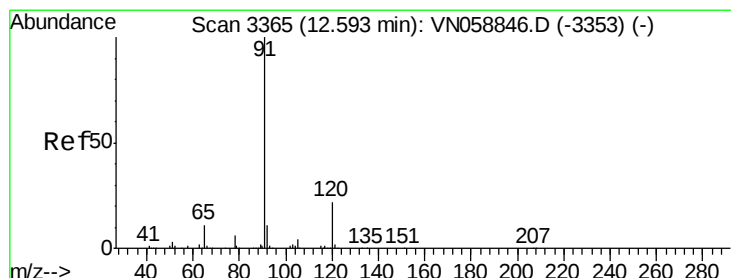
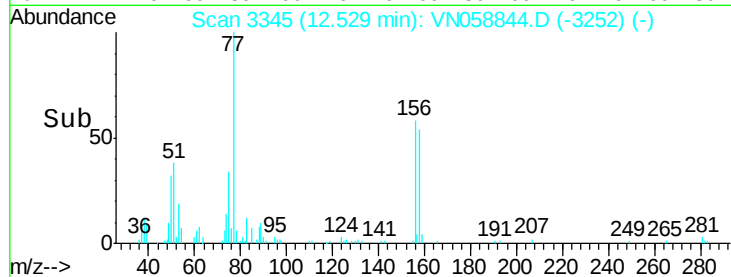
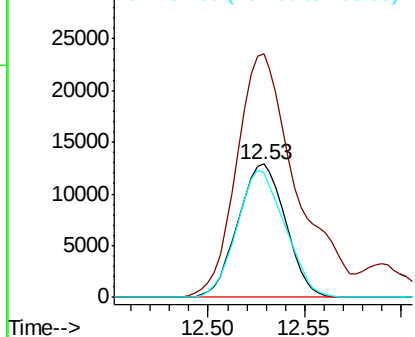
MMDadoda
10/21/2019 10:43:39 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.986 ug/l

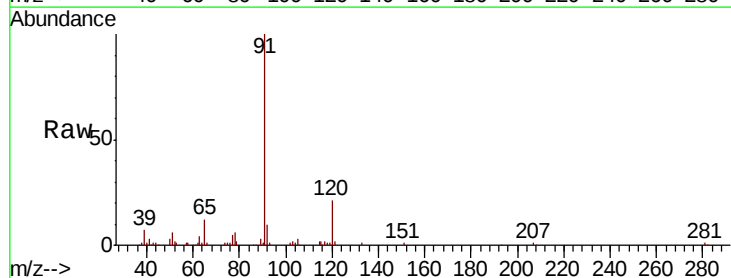
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058844.D

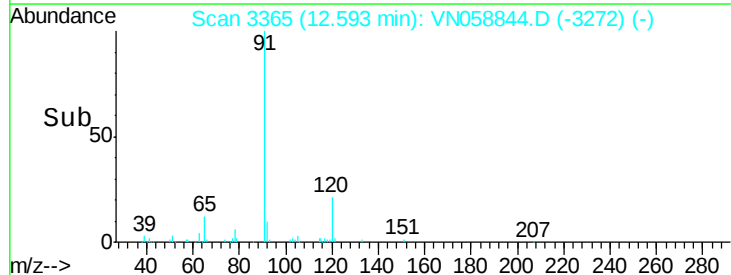
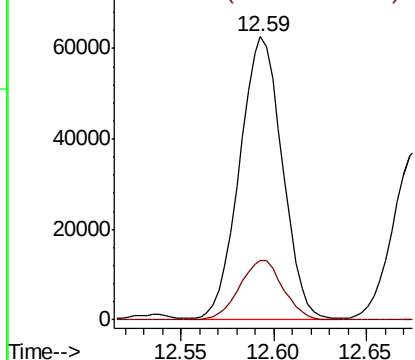
Acq: 18 Oct 2019 9:15

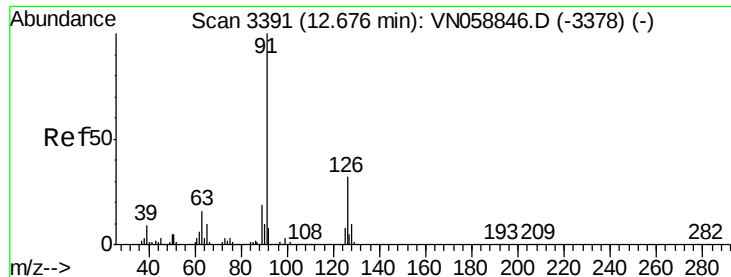
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.986 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 62414

Ion Ratio Lower Upper

91 100

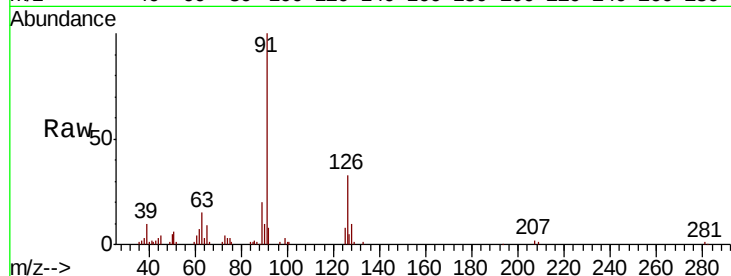
126 32.9 16.2 48.6

Manual Integrations

APPROVED

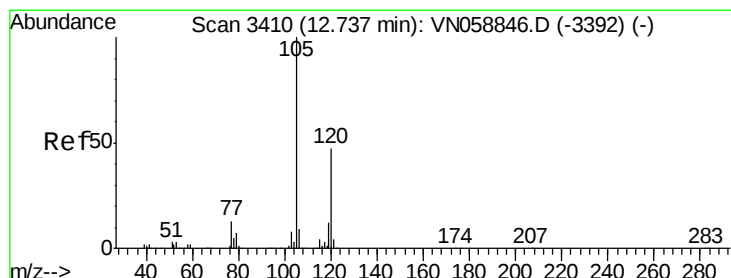
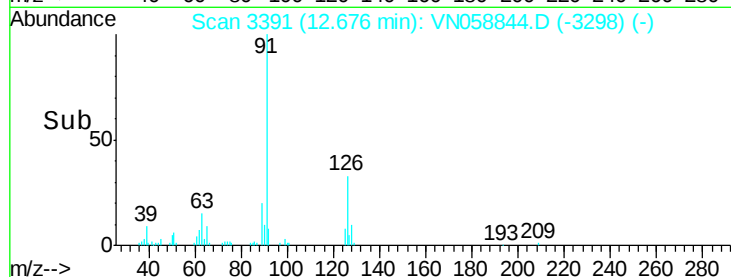
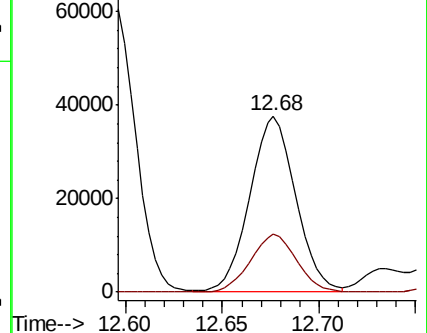
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Abundance Ion 91.00 (90.70 to 91.70): VN058844.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058844.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.616 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN058844.D

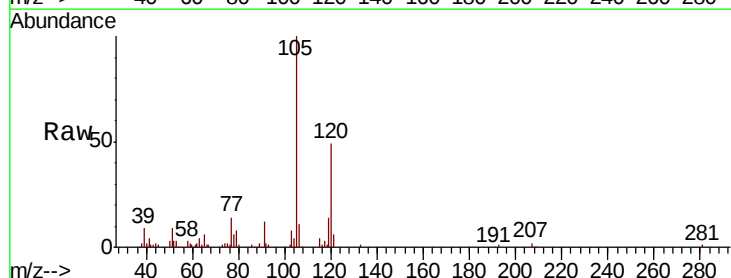
Acq: 18 Oct 2019 9:15

Tgt Ion: 105 Resp: 68137

Ion Ratio Lower Upper

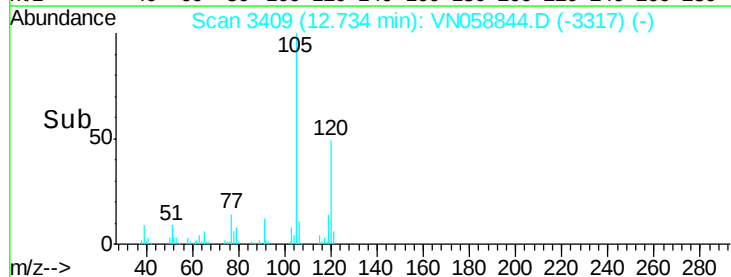
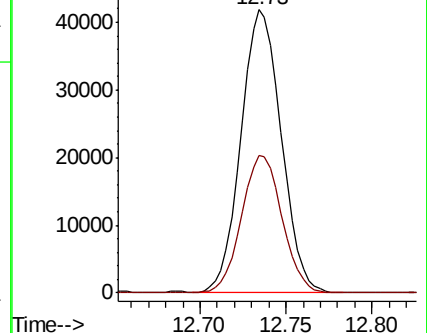
105 100

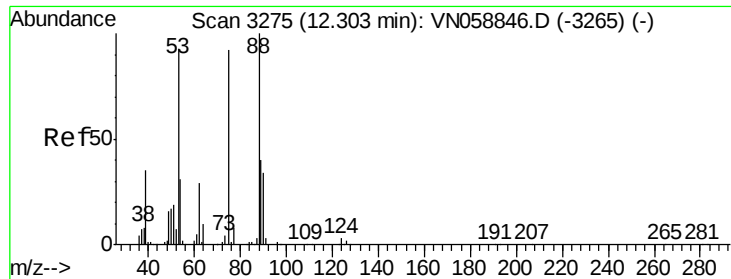
120 48.7 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058844.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058844.D (-3392) (-)





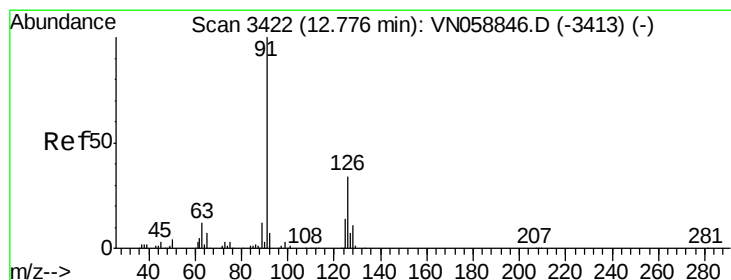
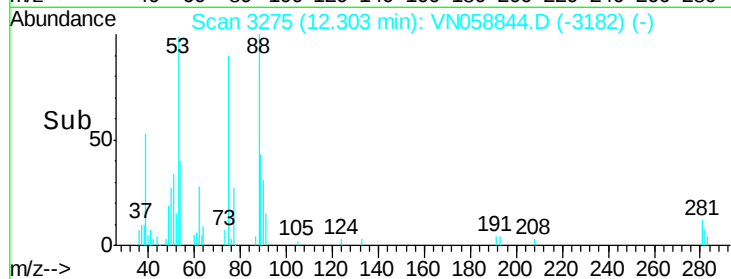
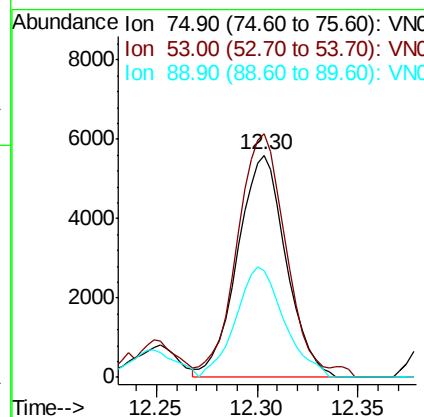
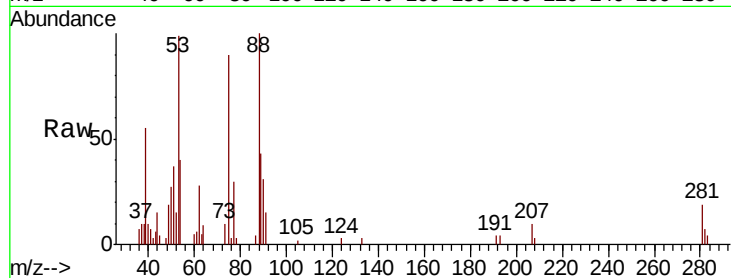
#81
trans-1,4-Dichloro-2-butene
Concen: 4.743 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	78.6	118.0
89	49.4	35.4	53.0

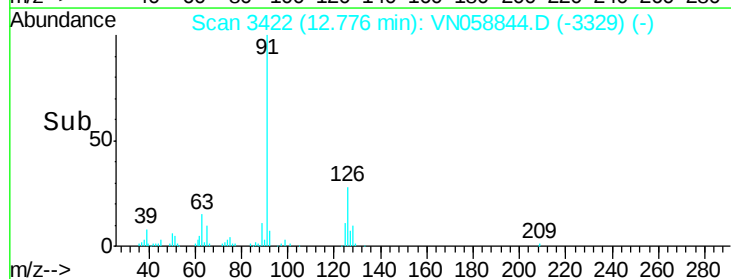
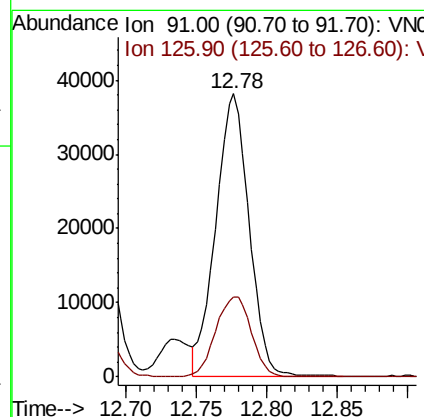
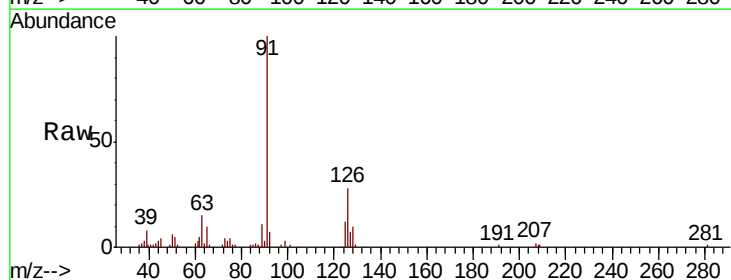
Manual Integrations
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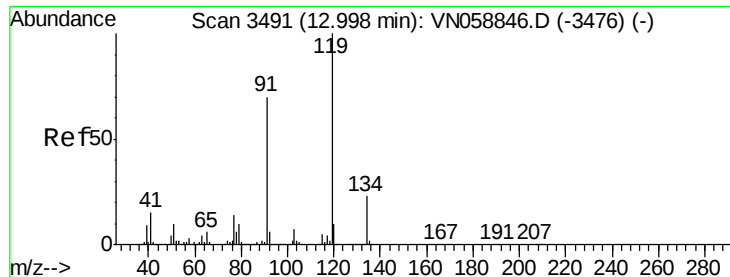
MMDadoda
10/21/2019 10:43:39 AM



#82
4-Chlorotoluene
Concen: 4.894 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	16.0	47.9





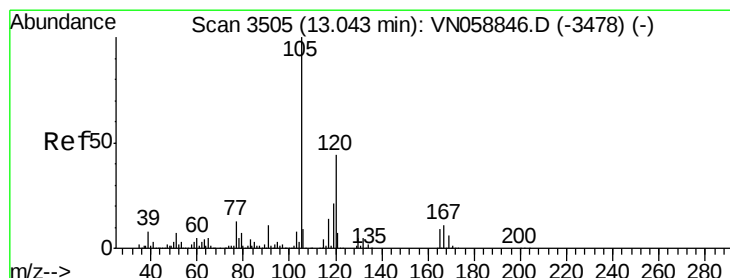
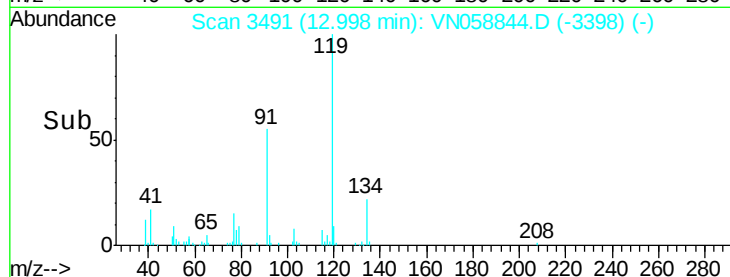
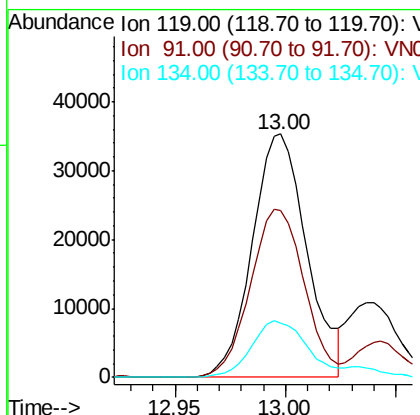
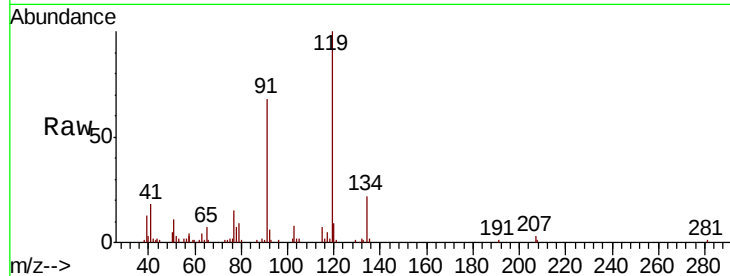
#83
tert-Butylbenzene
Concen: 4.778 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	23.9	11.6	34.8

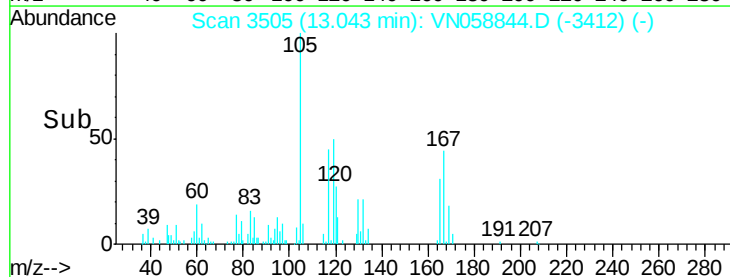
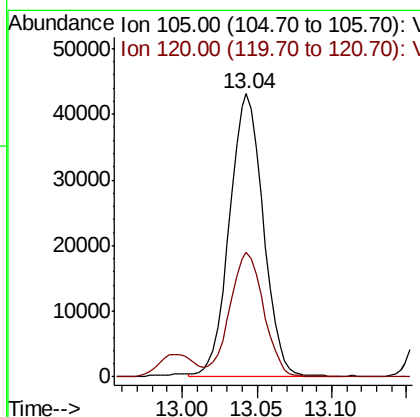
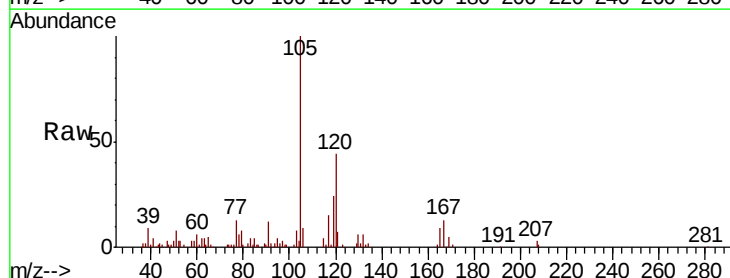
Manual Integrations
APPROVED

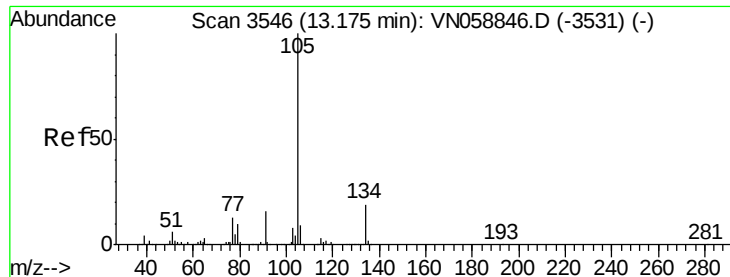
MMDadoda
10/21/2019 10:43:39 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.629 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.8





#85

sec-Butylbenzene

Concen: 4.765 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 79461

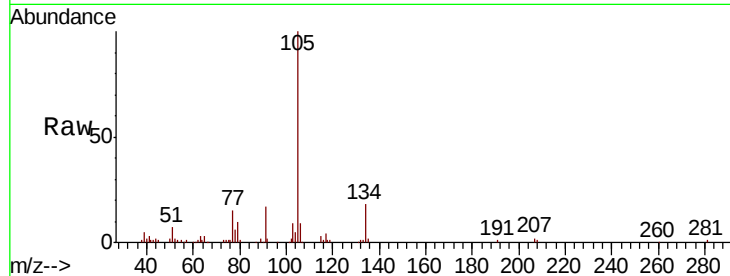
Ion Ratio Lower Upper

105 100

134 19.8 9.4 28.2

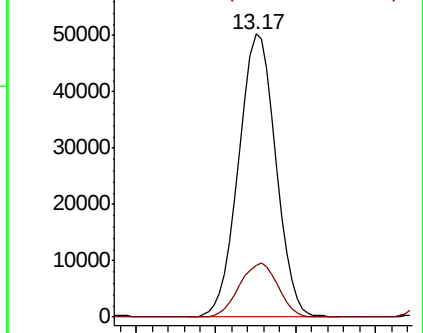
Manual Integrations
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MMDadoda
10/21/2019 10:43:39 AM

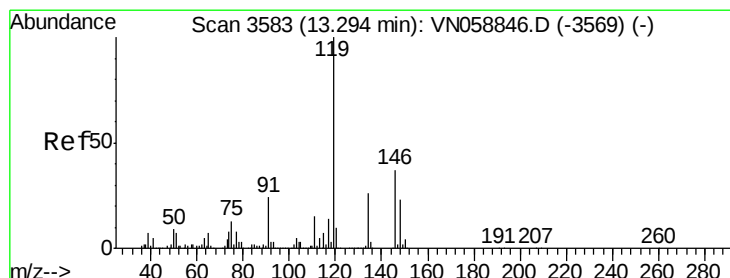
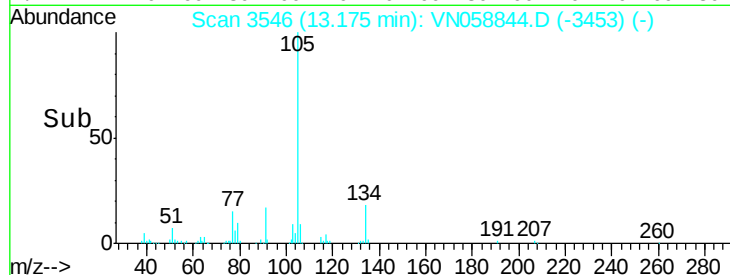


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 4.393 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058844.D

Acq: 18 Oct 2019 9:15

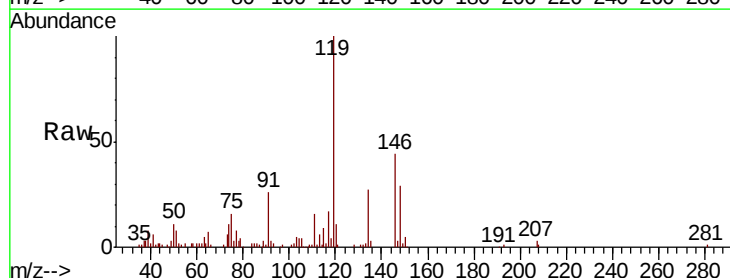
Tgt Ion:119 Resp: 66411

Ion Ratio Lower Upper

119 100

134 26.8 12.8 38.4

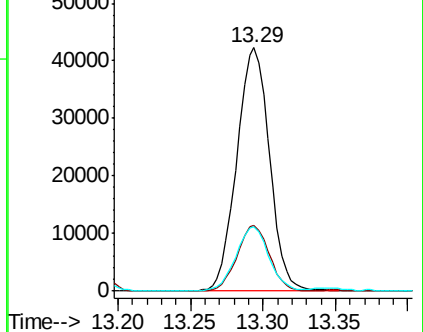
91 26.5 12.2 36.4



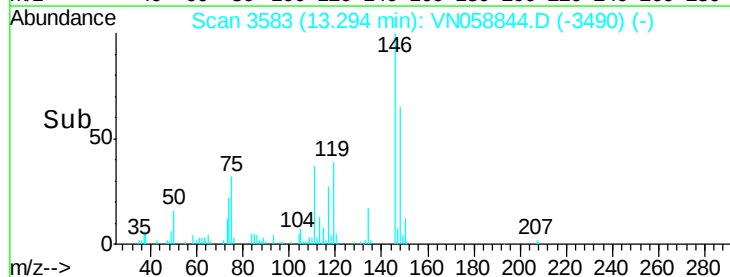
Abundance Ion 119.00 (118.70 to 119.70): V

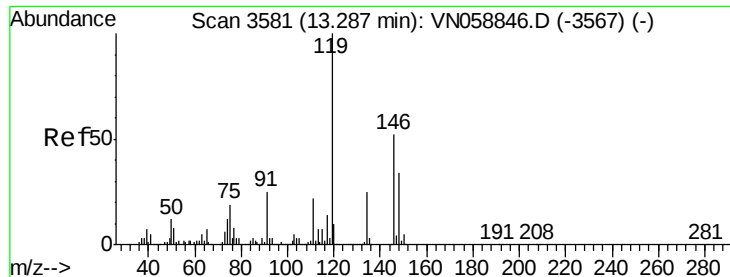
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





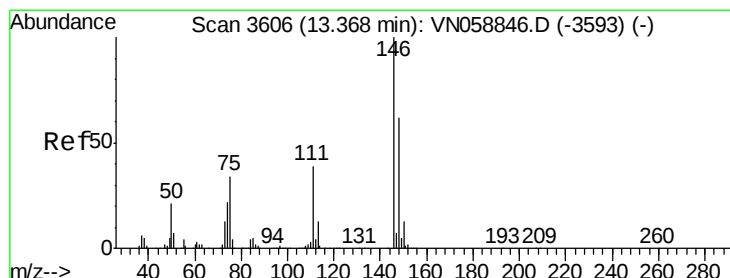
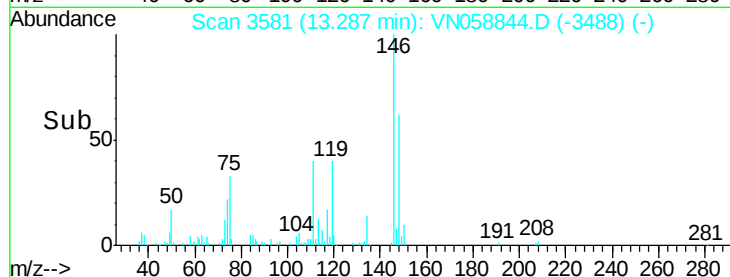
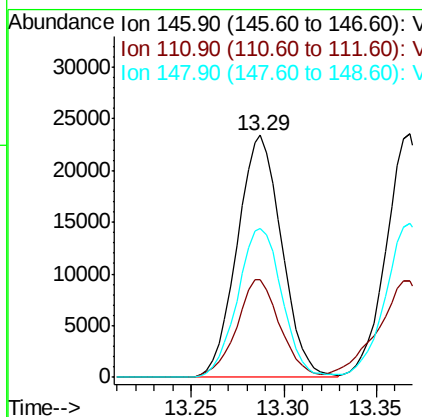
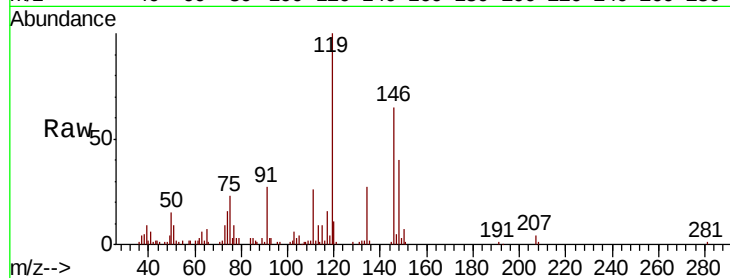
#87
 1,3-Dichlorobenzene
 Concen: 5.030 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.0	63.0
148	61.5	32.1	96.3

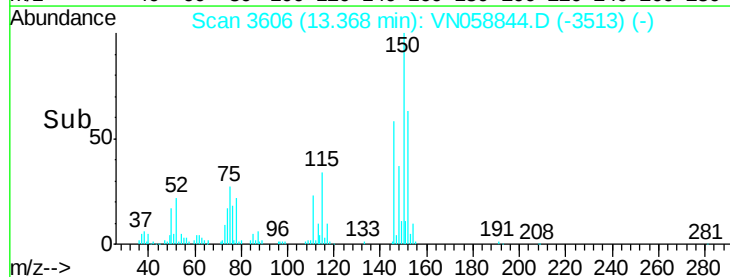
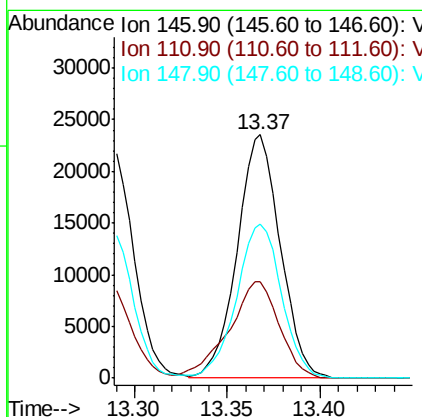
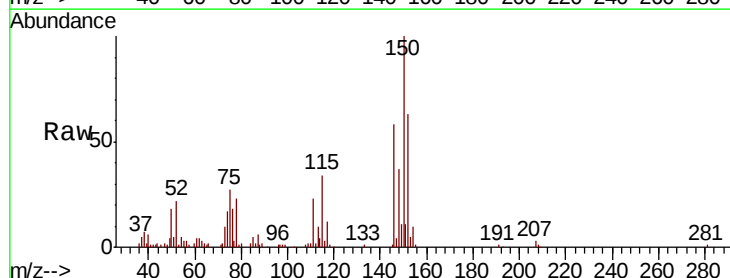
Manual Integrations
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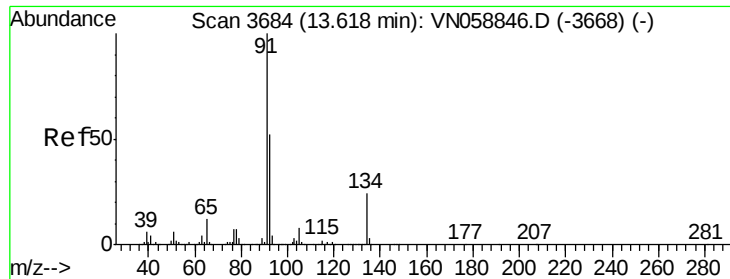
MMDadoda
 10/21/2019 10:43:39 AM



#88
 1,4-Dichlorobenzene
 Concen: 4.817 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	20.2	60.6
148	66.3	31.6	94.7





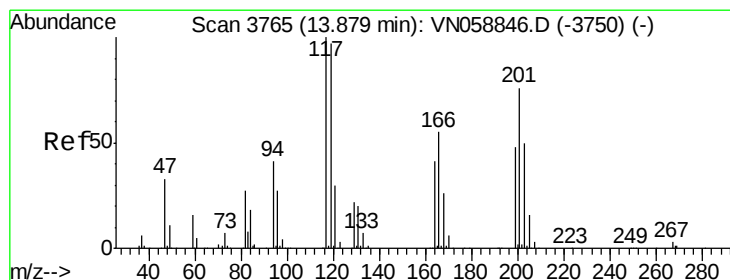
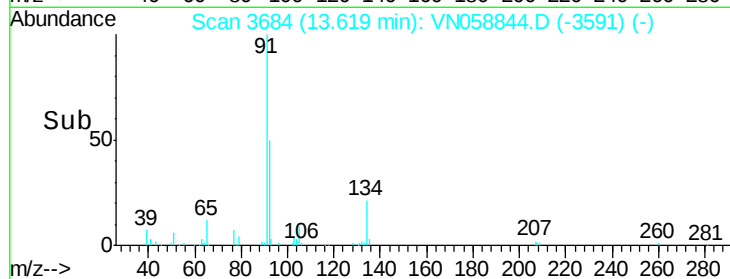
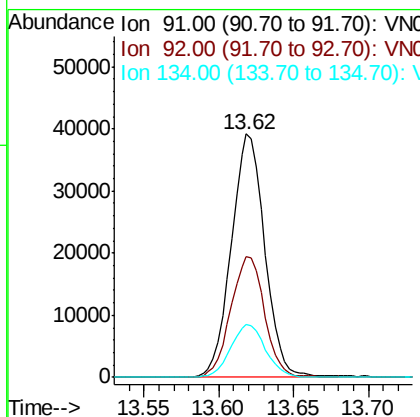
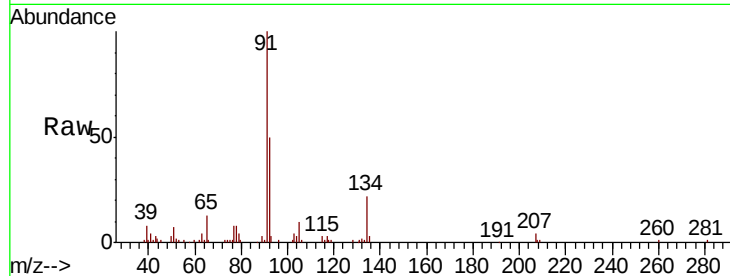
#89
n-Butylbenzene
Concen: 4.372 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	49.9	25.7	77.1
134	22.7	11.9	35.5

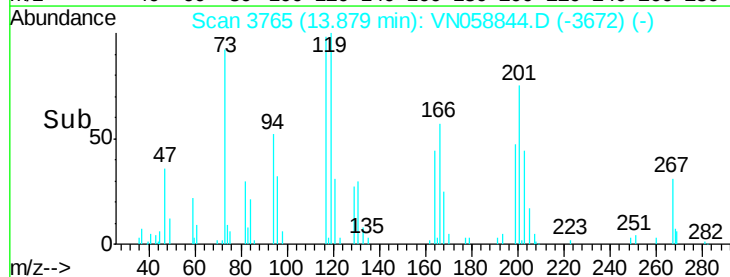
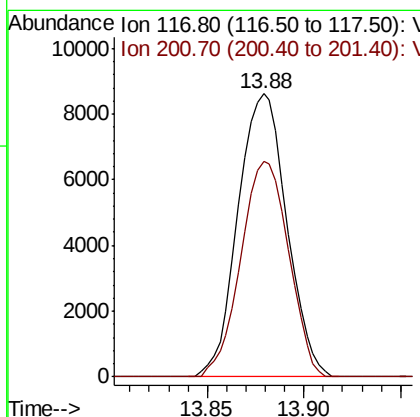
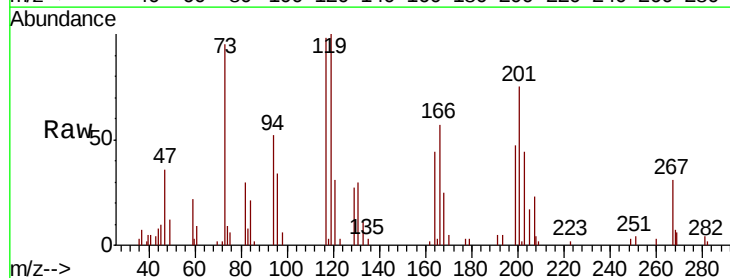
Manual Integrations
APPROVED

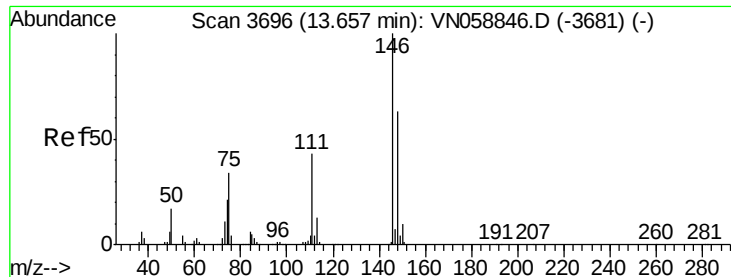
MMDadoda
10/21/2019 10:43:39 AM



#90
Hexachloroethane
Concen: 5.531 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.9	116.6





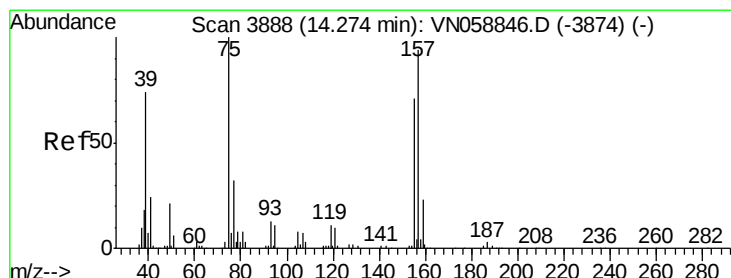
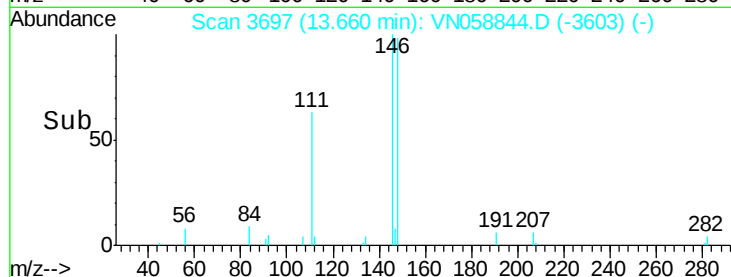
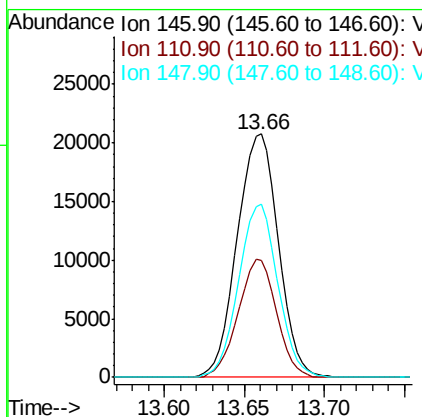
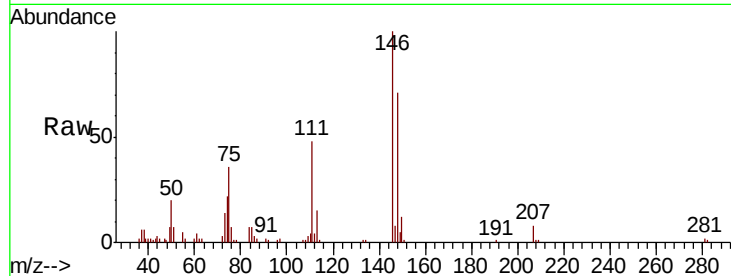
#91
 1,2-Dichlorobenzene
 Concen: 4.816 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.6	64.8
148	67.5	31.9	95.9

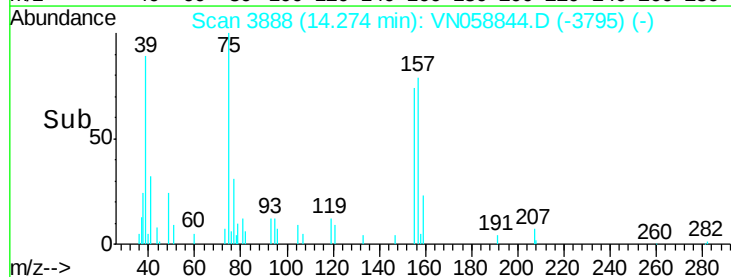
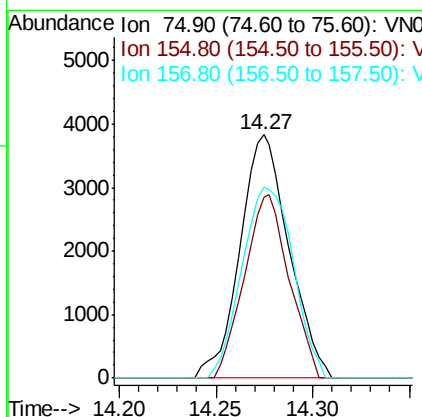
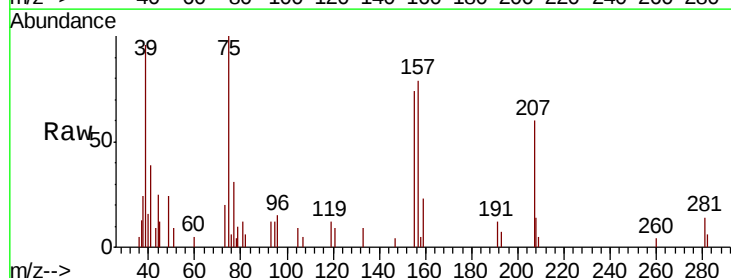
Manual Integrations
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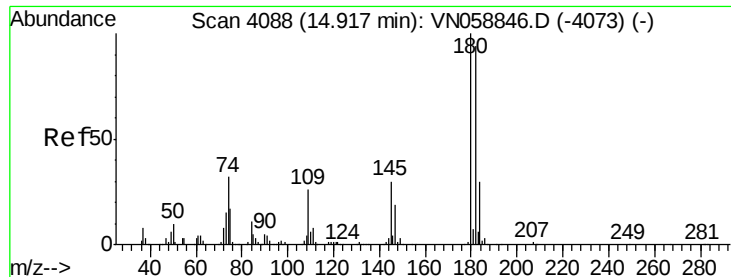
MMDadoda
 10/21/2019 10:43:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.009 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.9	35.6	106.8
157	82.5	47.4	142.2





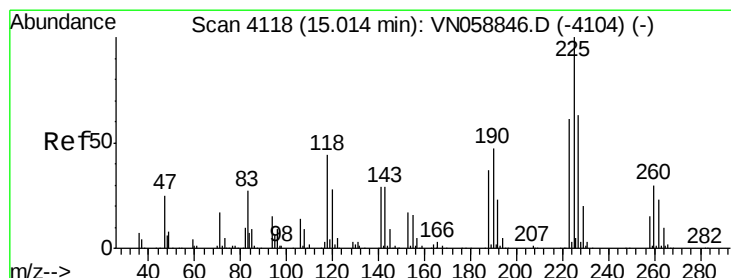
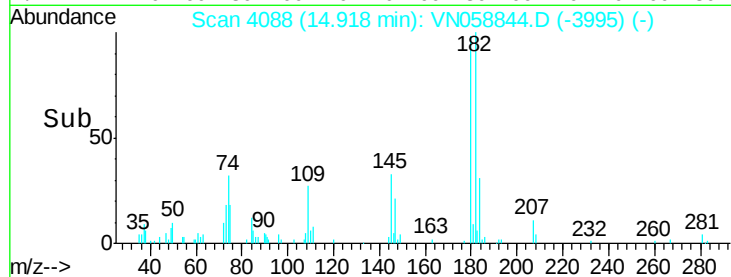
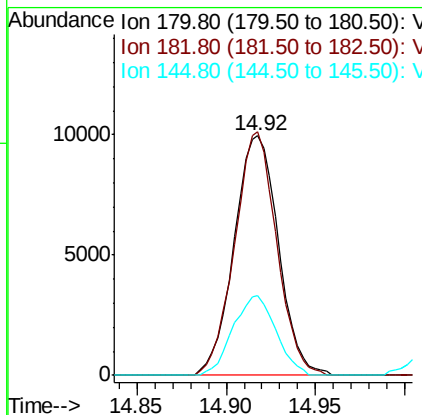
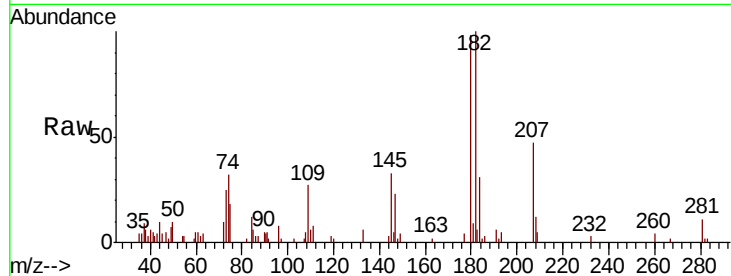
#93
 1,2,4-Trichlorobenzene
 Concen: 3.769 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	47.3	142.0	
145	32.1	15.3	45.8	

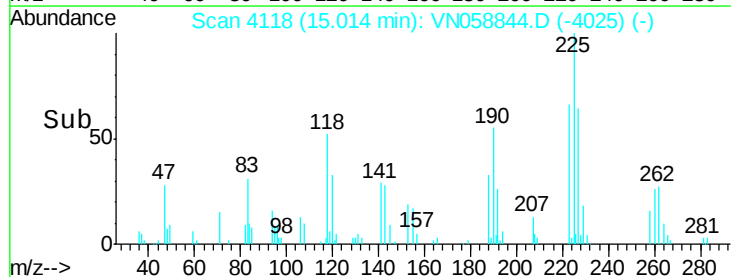
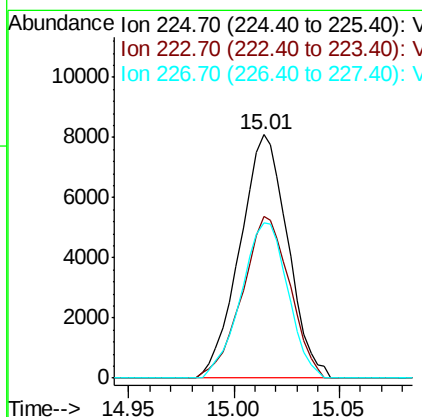
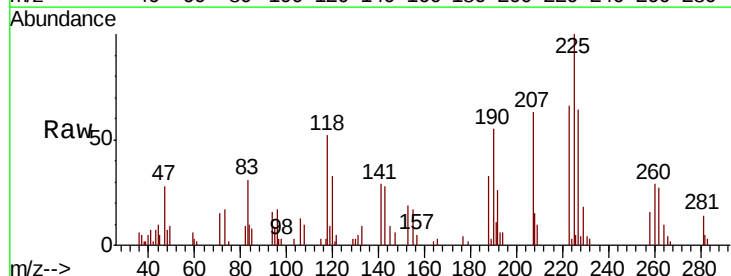
Manual Integrations
 APPROVED

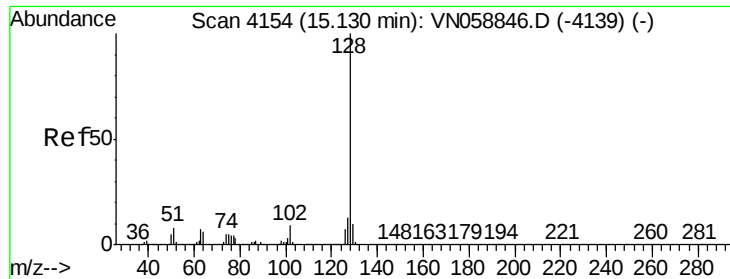
MMDadoda
 10/21/2019 10:43:39 AM



#94
 Hexachlorobutadiene
 Concen: 5.250 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058844.D
 Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.7	30.9	92.5	
227	62.3	31.6	94.7	





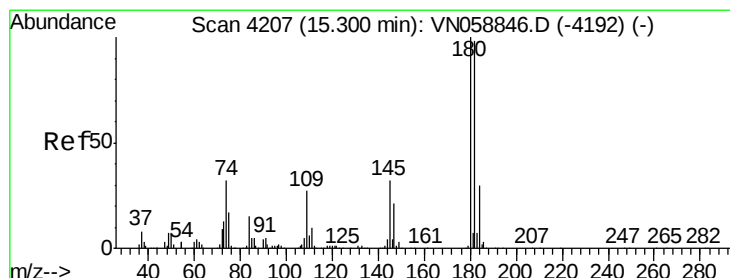
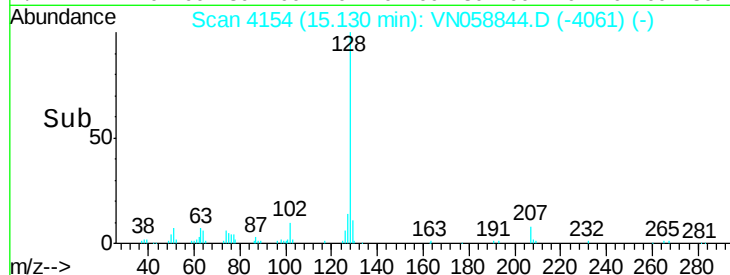
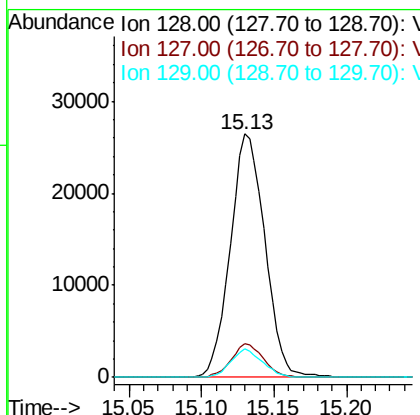
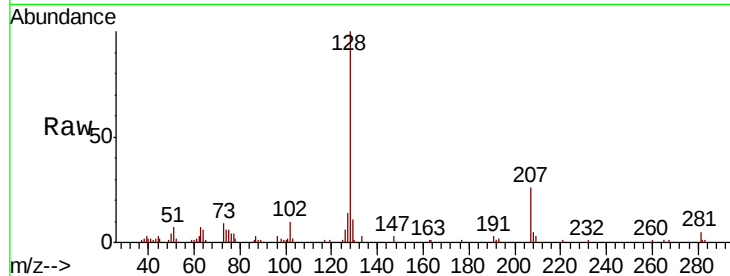
#95
Naphthalene
Concen: 3.348 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.5	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/21/2019 10:43:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 3.635 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058844.D
Acq: 18 Oct 2019 9:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.9	47.9	143.7
145	39.5	15.9	47.7

