

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052721.D
 Acq On : 7 Dec 2018 12:45
 Operator : MD\SY
 Sample : VN1207WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:36 PM

Quant Time: Dec 07 22:25:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	146790	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	848786	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	746897	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	301156	30.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.37%
60) 4-Bromofluorobenzene	12.40	95	344576	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	10.09	98	1032942	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	162384	19.424 ug/l	99
3) Chloromethane	2.06	50	217546	19.621 ug/l	99
4) Vinyl Chloride	2.19	62	223598	19.981 ug/l	98
5) Bromomethane	2.57	94	133689	20.952 ug/l	99
6) Chloroethane	2.71	64	132238	19.871 ug/l	98
7) Trichlorofluoromethane	3.02	101	281097	20.354 ug/l	99
8) Diethyl Ether	3.41	74	106635	20.911 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	177417	20.265 ug/l	96
10) 1,1-Dichloroethene	3.74	96	165896	20.153 ug/l	98
11) Methyl Iodide	3.96	142	241594	21.139 ug/l	97
12) Methyl Acetate	4.33	43	157501	22.519 ug/l	99
13) Acrolein	3.61	56	108094	131.569 ug/l	99
14) Acrylonitrile	4.99	53	320721	107.621 ug/l	98
15) Acetone	3.82	58	86583	112.187 ug/l	100
16) Carbon Disulfide	4.06	76	491873	18.874 ug/l	99
17) Allyl chloride	4.33	41	286690	19.970 ug/l	98
18) Methylene Chloride	4.55	84	197608	20.733 ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	181471	20.485 ug/l	97
20) Diisopropyl ether	5.95	45	615878	20.415 ug/l	99
21) 1,1-Dichloroethane	5.85	63	355642	20.683 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	212061	20.887 ug/l	99
23) tert-Butyl Alcohol	4.78	59	51499	116.168 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	461988	21.393 ug/l	98
25) Chloroform	7.37	83	344392	20.761 ug/l	100
26) Cyclohexane	7.65	56	310708	19.159 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	258980	19.980 ug/l	99
30) 2-Butanone	6.84	43	375920	108.385 ug/l	100
31) 2,2-Dichloropropane	6.83	77	248975	20.865 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	279382	20.715 ug/l	98
33) Carbon Tetrachloride	7.77	117	244623	20.729 ug/l	99
34) Benzene	8.04	78	800057	20.530 ug/l	99
35) Methacrylonitrile	7.17	41	74499	17.312 ug/l	97
36) 1,2-Dichloroethane	8.13	62	249988	21.169 ug/l	100
37) Trichloroethene	8.84	130	204302	20.674 ug/l	97
38) Methylcyclohexane	9.08	83	310764	19.368 ug/l	99
39) 1,2-Dichloropropane	9.12	63	212728	20.364 ug/l	100
40) Dibromomethane	9.21	93	124596	22.072 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	257035	20.609	ug/l	98
42) Vinyl Acetate	5.90	43	1928368	102.758	ug/l	99
43) Ethyl Acetate	6.84	43	375920	50.971	ug/l	100
44) Isopropyl Acetate	8.17	43	283245	21.898	ug/l #	80
45) 1,4-Dioxane	9.20	88	32955	465.727	ug/l	94
46) Methyl methacrylate	9.20	41	143211	21.324	ug/l	98
47) n-amyl Acetate	12.07	43	222029	20.703	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	252470	20.877	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	299736	20.344	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	177615	22.197	ug/l	98
51) Ethyl methacrylate	10.43	69	214686	21.362	ug/l	96
52) 1,3-Dichloropropane	10.71	76	304523	21.380	ug/l	98
53) Dibromochloromethane	10.90	129	186420	21.161	ug/l	97
54) 1,2-Dibromoethane	11.01	107	168625	21.566	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	624090	106.088	ug/l	100
56) Bromoform	12.13	173	125889	21.862	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	812532	112.213	ug/l	99
59) 2-Hexanone	10.75	43	545579	110.298	ug/l	99
61) Tetrachloroethene	10.63	164	204619	22.244	ug/l	98
62) Toluene	10.16	91	849540	20.633	ug/l	100
64) Chlorobenzene	11.44	112	526612	20.954	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	183465	21.031	ug/l	98
66) Ethyl Benzene	11.51	91	903206	20.353	ug/l	97
67) m/p-Xylenes	11.62	106	685186	41.444	ug/l	100
68) o-Xylene	11.95	106	337663	21.043	ug/l	99
69) Styrene	11.96	104	536017	20.695	ug/l	100
70) Isopropylbenzene	12.25	105	895639	20.978	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	205416	22.118	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	174281m	21.860	ug/l	
73) Bromobenzene	12.53	156	222732	21.570	ug/l	95
74) n-propylbenzene	12.59	91	1015207	20.408	ug/l	99
75) 2-Chlorotoluene	12.68	91	600379	20.793	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	726074	21.055	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	53012	21.049	ug/l	95
78) 4-Chlorotoluene	12.77	91	588145	20.397	ug/l	99
79) tert-butylbenzene	12.99	119	643056	21.412	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	729519	21.142	ug/l	100
81) sec-Butylbenzene	13.17	105	869210	20.779	ug/l	99
82) p-Isopropyltoluene	13.29	119	734643	20.624	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	380838	20.970	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	362289	20.647	ug/l	99
85) n-Butylbenzene	13.62	91	586987	19.185	ug/l	100
86) Hexachloroethane	13.88	117	121090	20.064	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	373375	21.605	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29863	22.955	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	166558	19.561	ug/l	99
90) Hexachlorobutadiene	15.01	225	120874	21.641	ug/l	98
91) Naphthalene	15.13	128	338579	19.691	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	163997	20.900	ug/l	97

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ClientSampleId :
VN1207WBS01

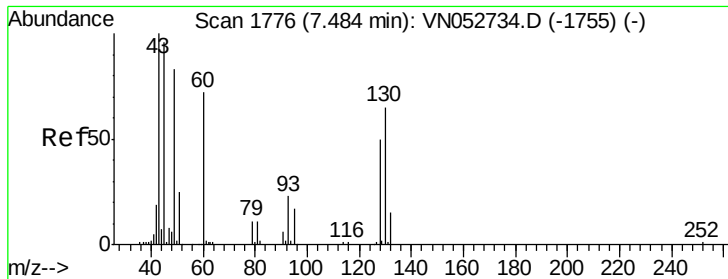
Manual Integrations
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QLast Update : Tue Nov 27 00:48:33 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

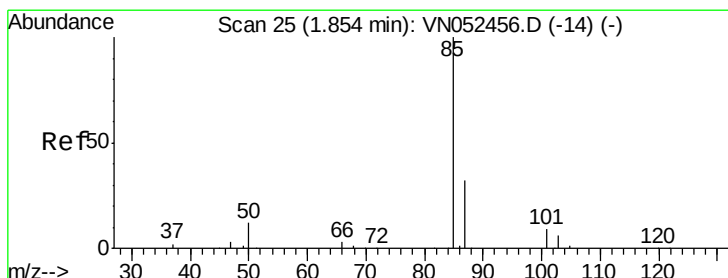
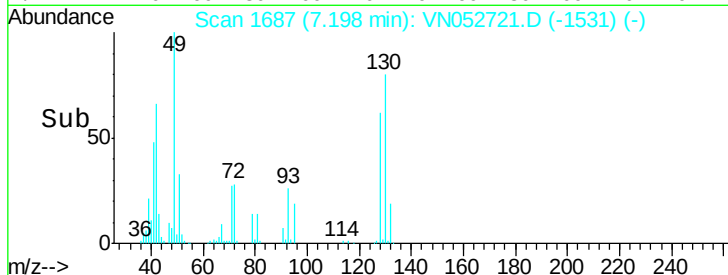
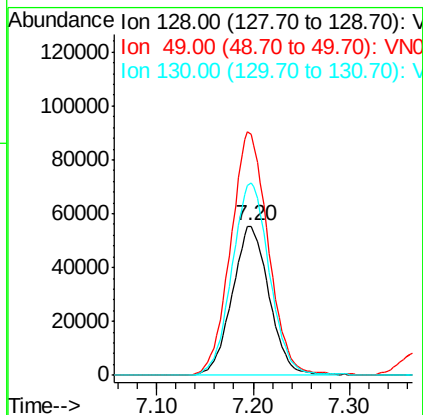
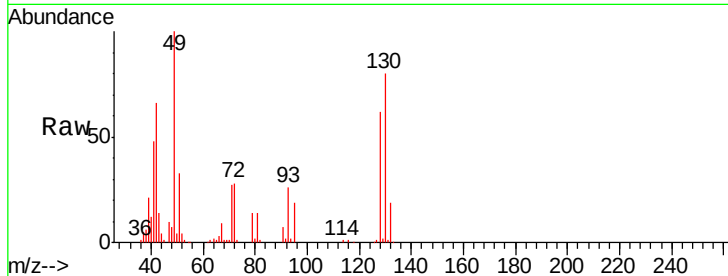
ClientSampleId :

VN1207WBS01

Tgt Ion:	128	Resp:	146790
Ion	Ratio	Lower	Upper
128	100		
49	166.4	0.0	431.8
130	131.2	0.0	317.0

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#2

Dichlorodifluoromethane

Concen: 19.424 ug/l

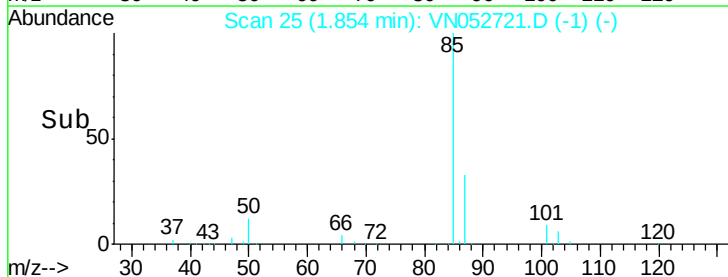
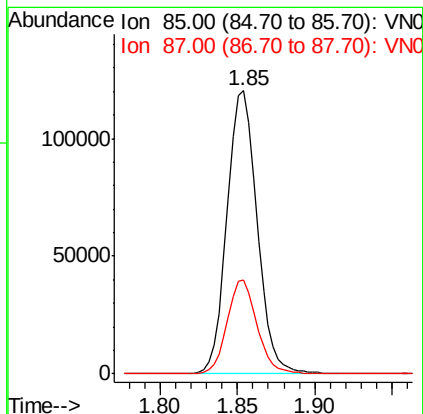
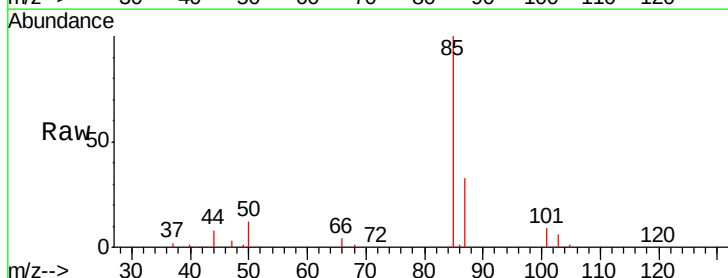
RT: 1.85 min Scan# 25

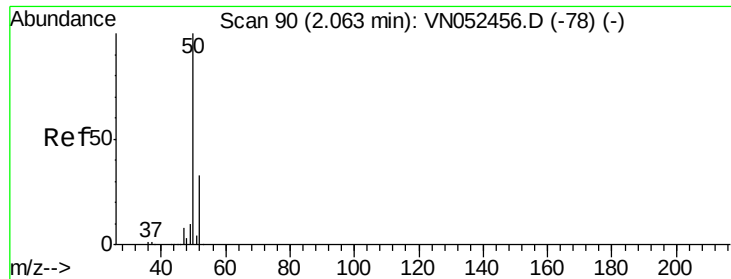
Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	85	Resp:	162384
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.1	48.3





#3

Chloromethane

Concen: 19.621 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 50 Resp: 217546

Ion Ratio Lower Upper

50 100

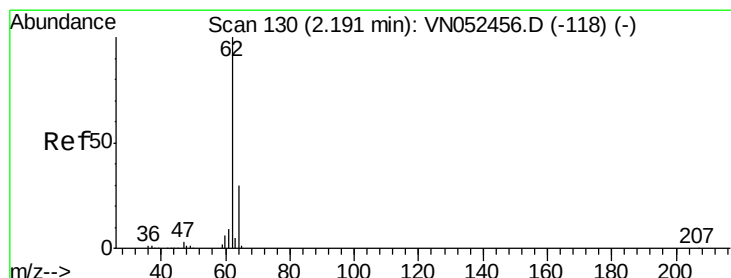
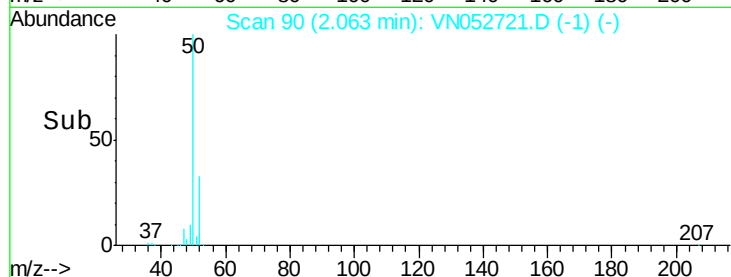
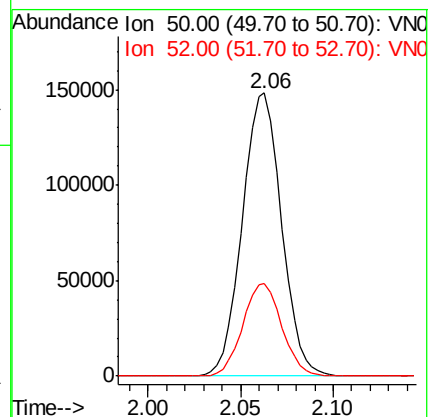
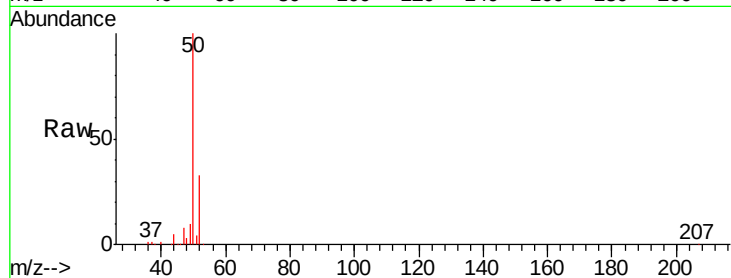
52 32.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 19.981 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052721.D

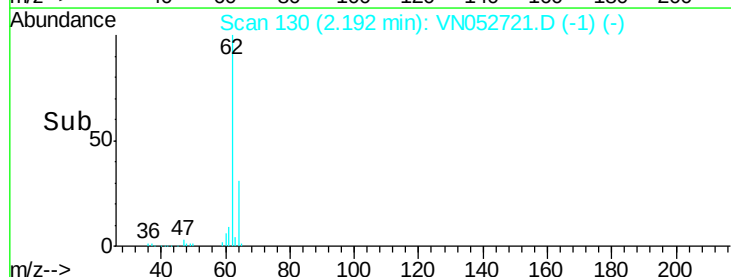
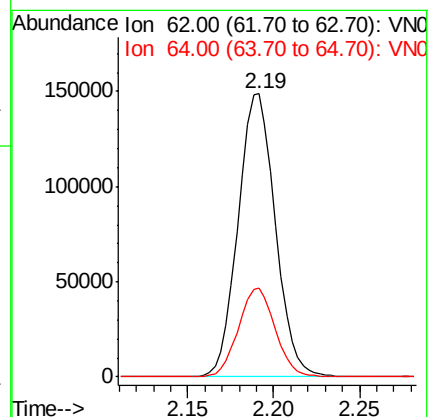
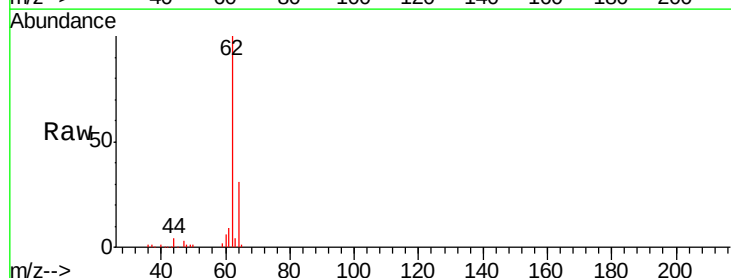
Acq: 7 Dec 2018 12:45

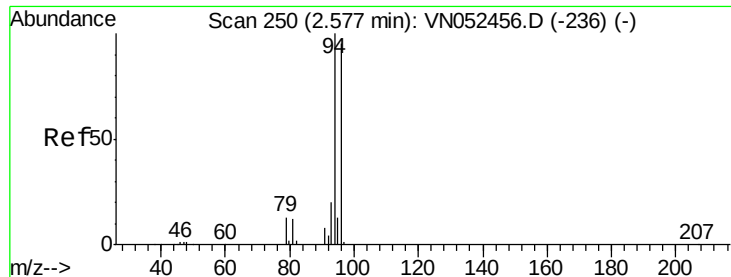
Tgt Ion: 62 Resp: 223598

Ion Ratio Lower Upper

62 100

64 31.3 24.2 36.4





#5

Bromomethane

Concen: 20.952 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 94 Resp: 133689

Ion Ratio Lower Upper

94 100

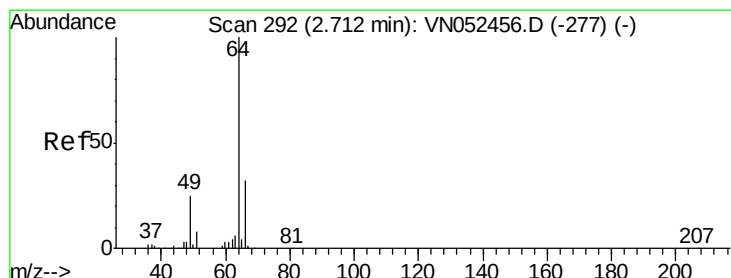
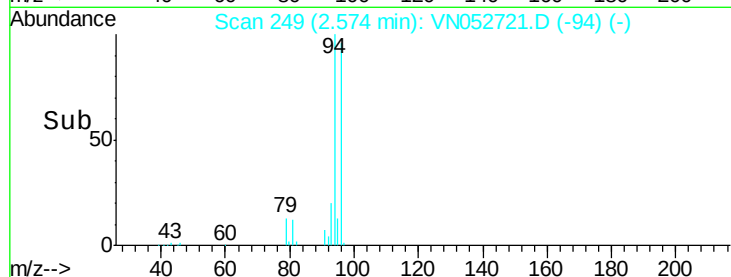
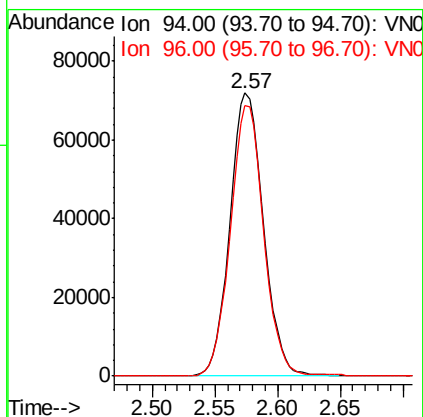
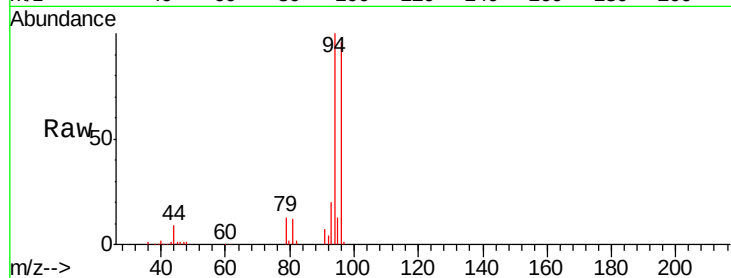
96 95.8 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 19.871 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052721.D

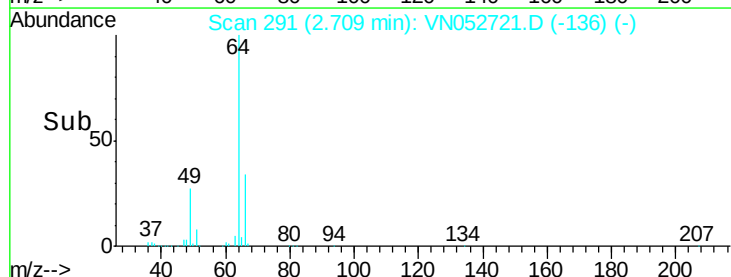
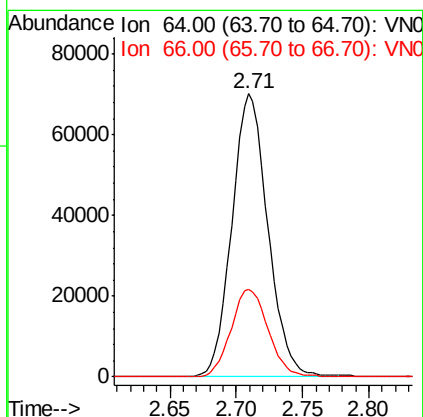
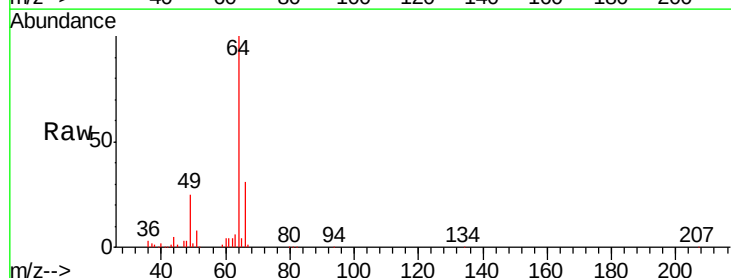
Acq: 7 Dec 2018 12:45

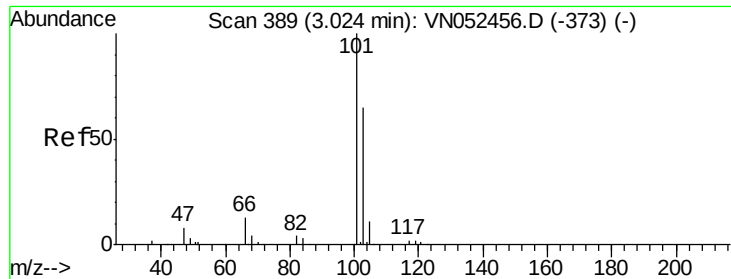
Tgt Ion: 64 Resp: 132238

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4





#7

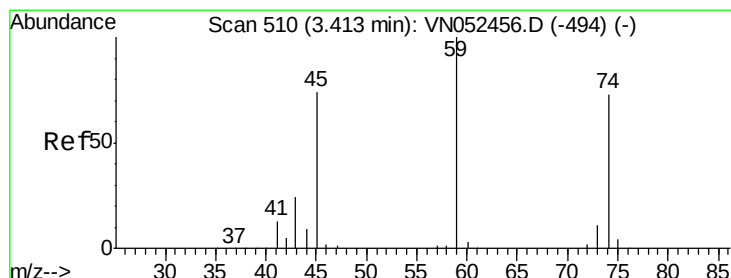
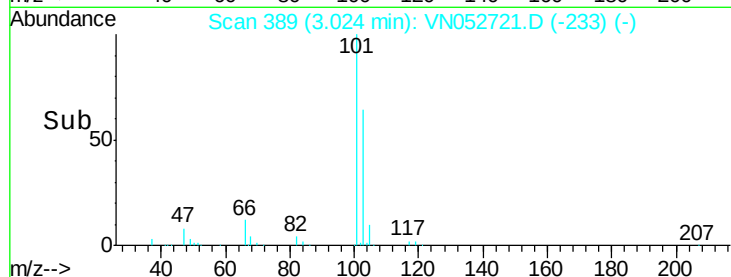
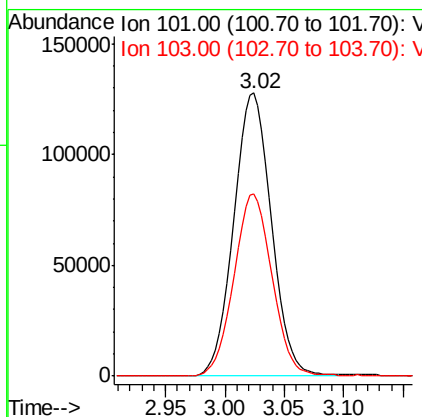
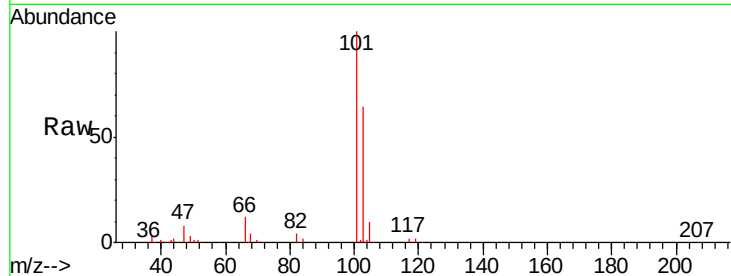
Trichlorofluoromethane
Concen: 20.354 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

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ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

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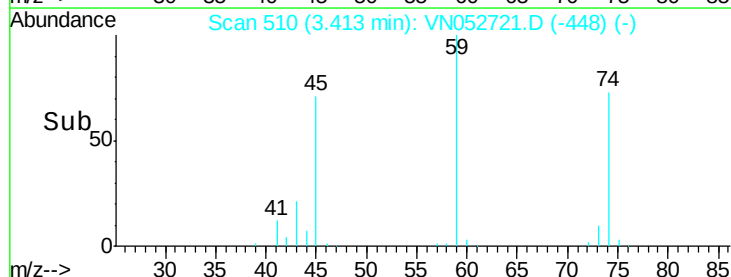
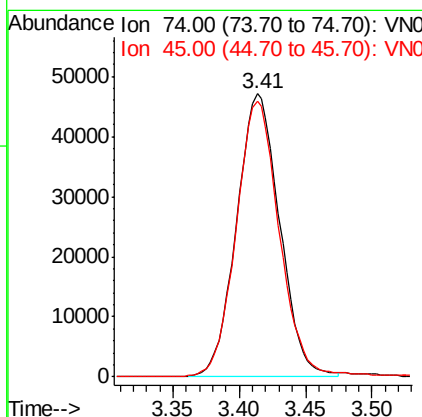
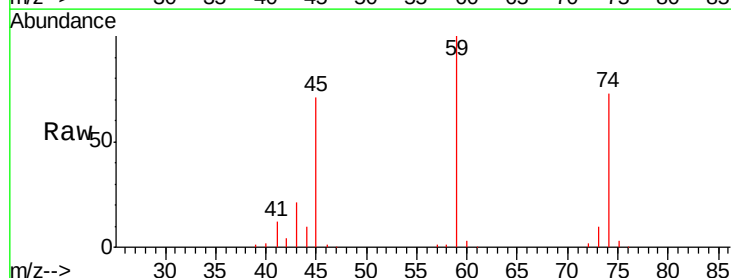
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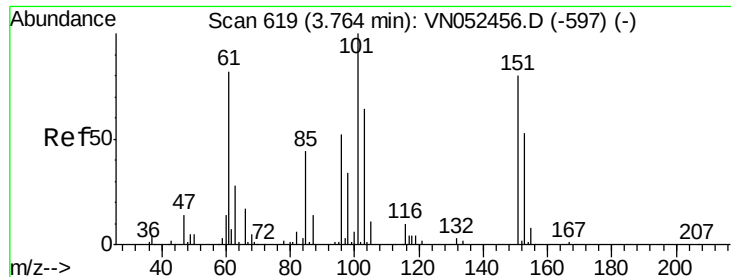


#8

Diethyl Ether
Concen: 20.911 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.265 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

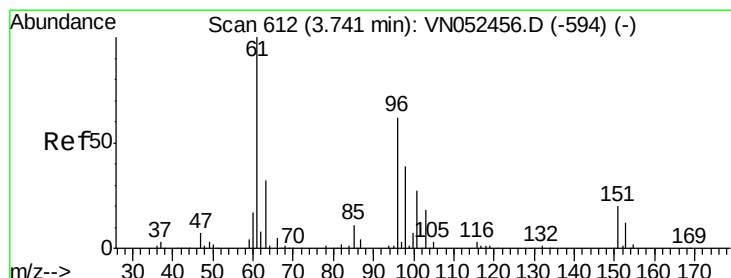
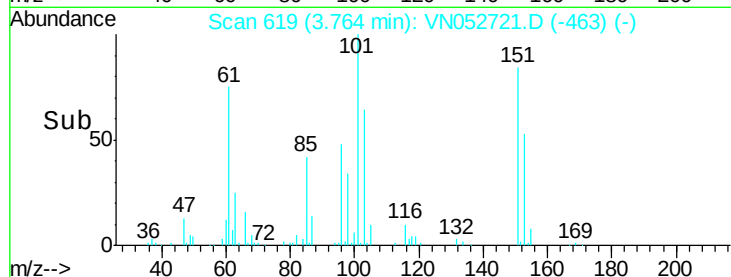
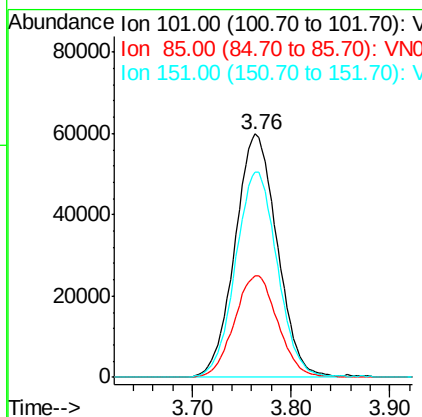
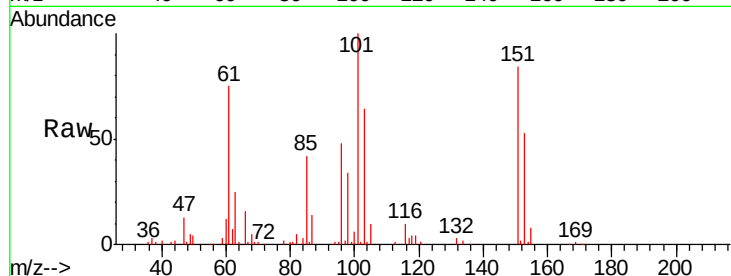
ClientSampleId :

VN1207WBS01

Tgt Ion:	101	Resp:	177417
Ion Ratio	Lower	Upper	
101	100		
85	43.0	0.0	82.6
151	83.5	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.153 ug/l

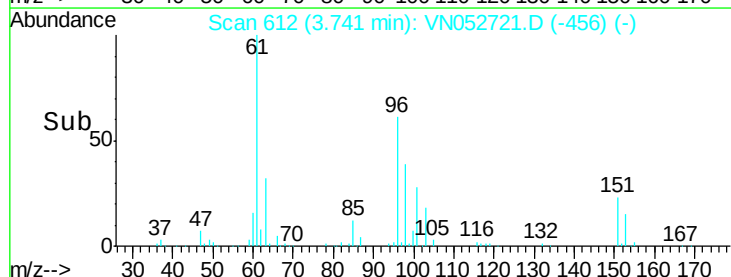
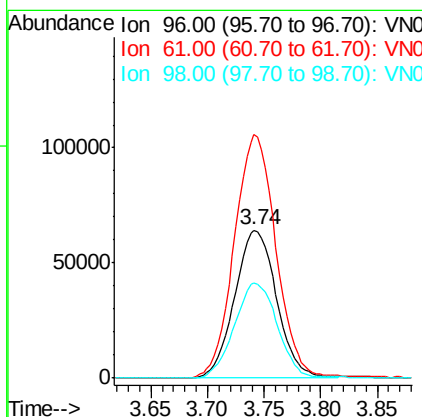
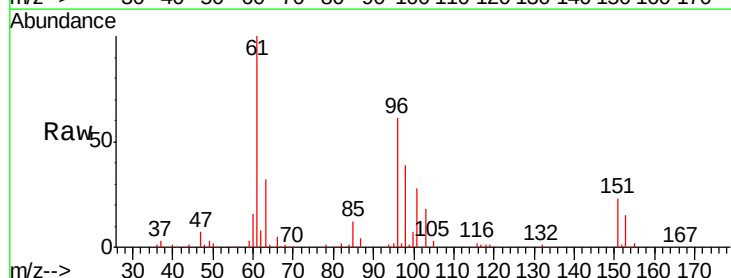
RT: 3.74 min Scan# 612

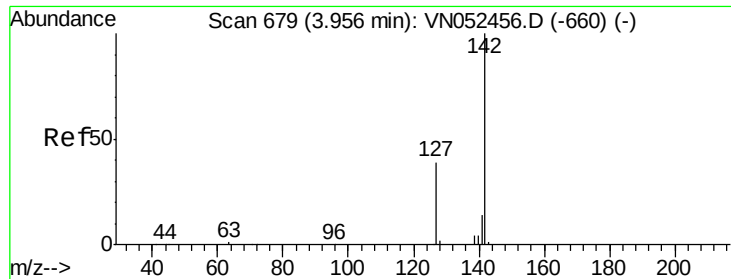
Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	96	Resp:	165896
Ion Ratio	Lower	Upper	
96	100		
61	164.3	129.4	194.2
98	64.5	50.4	75.6





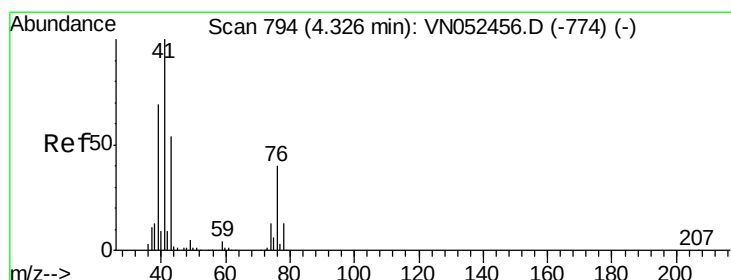
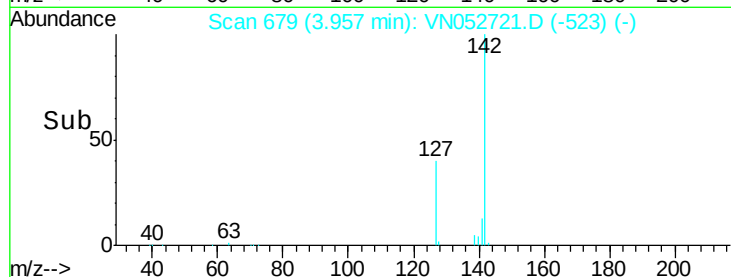
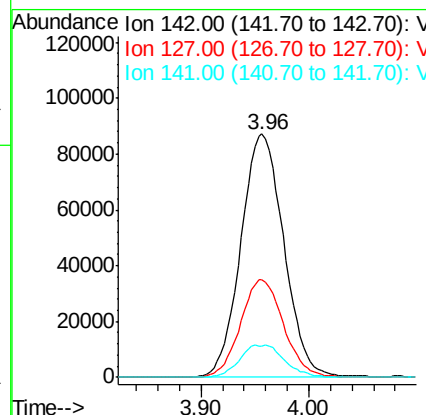
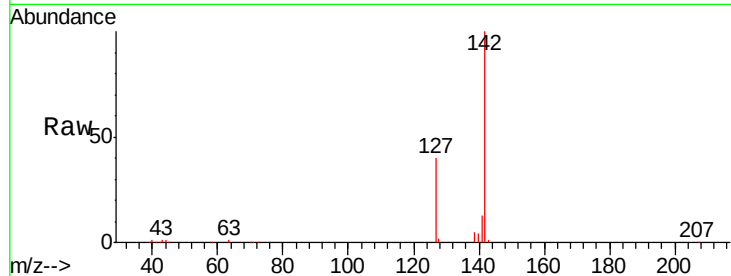
#11
Methyl Iodide
Concen: 21.139 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.2	19.4	58.1
141	13.1	7.2	21.6

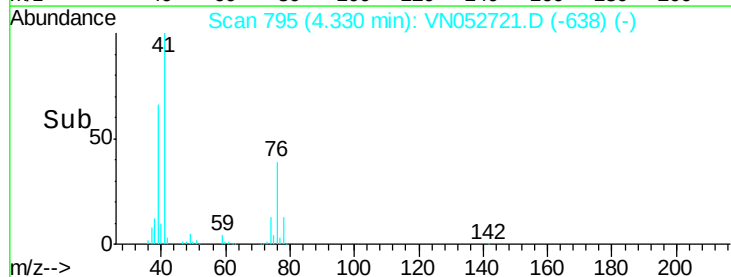
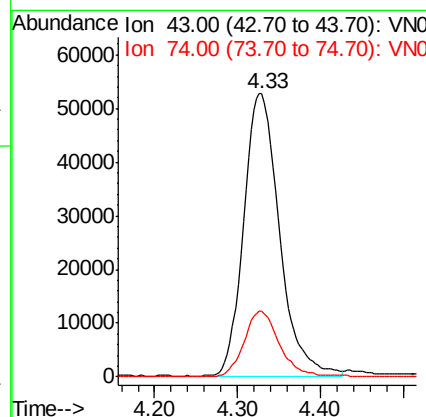
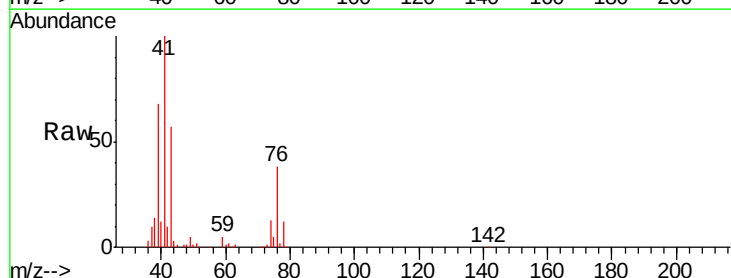
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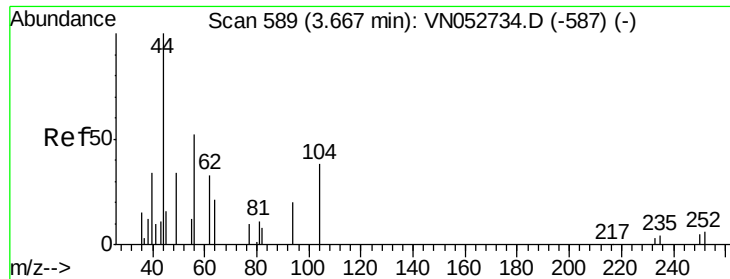
MMDadoda
12/10/2018 12:50:36 PM



#12
Methyl Acetate
Concen: 22.519 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.9	28.3





#13

Acrolein

Concen: 131.569 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 56 Resp: 108094

Ion Ratio Lower Upper

56 100

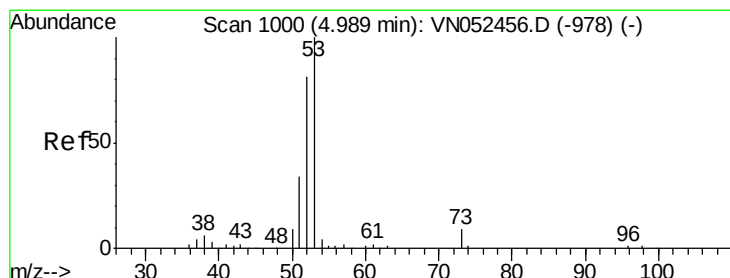
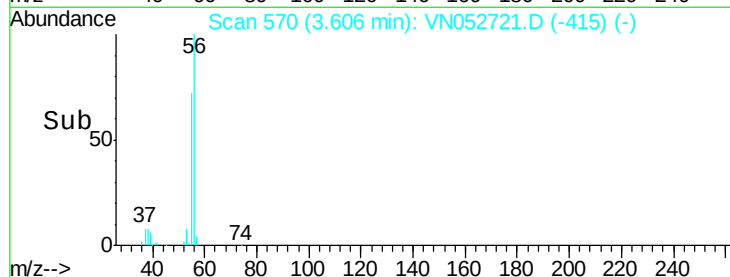
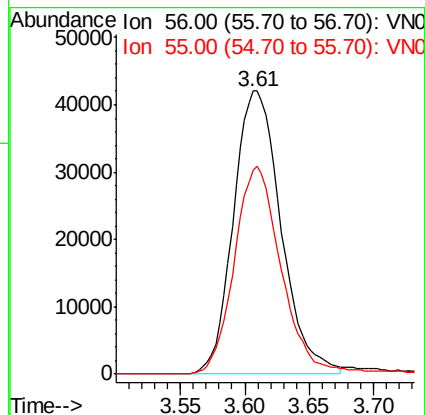
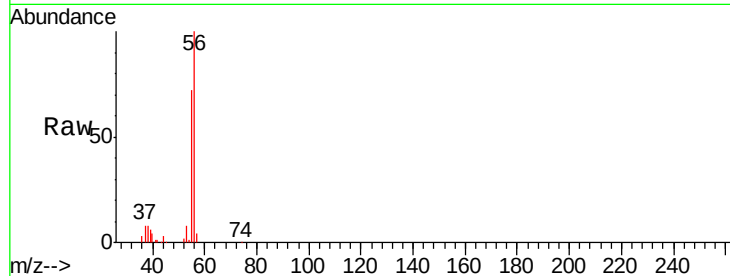
55 71.7 56.7 85.1

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#14

Acrylonitrile

Concen: 107.621 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

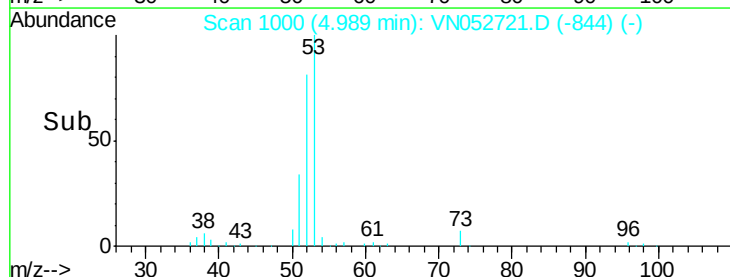
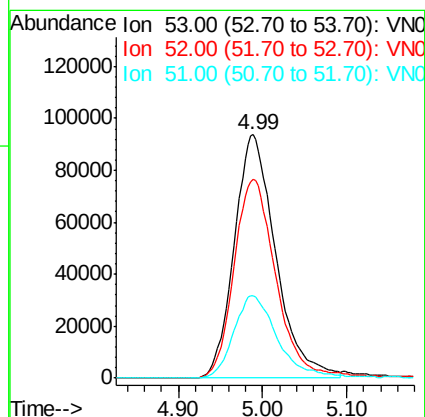
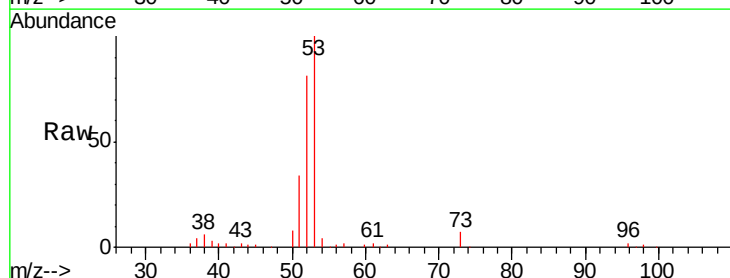
Tgt Ion: 53 Resp: 320721

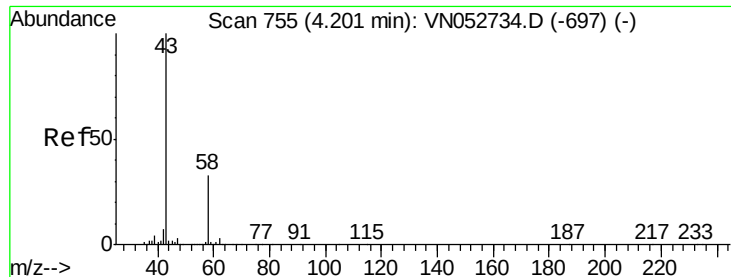
Ion Ratio Lower Upper

53 100

52 82.7 39.9 119.7

51 35.6 17.6 52.9





#15

Acetone

Concen: 112.187 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 58 Resp: 86583

Ion Ratio Lower Upper

58 100

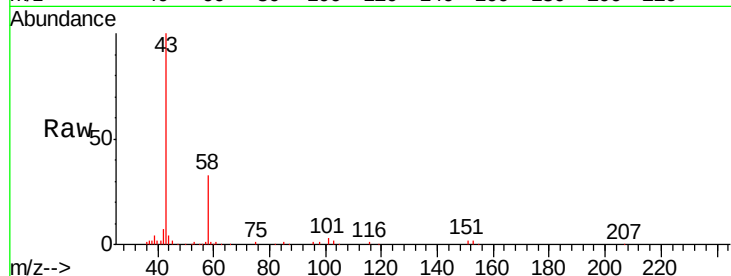
43 304.1 243.6 365.4

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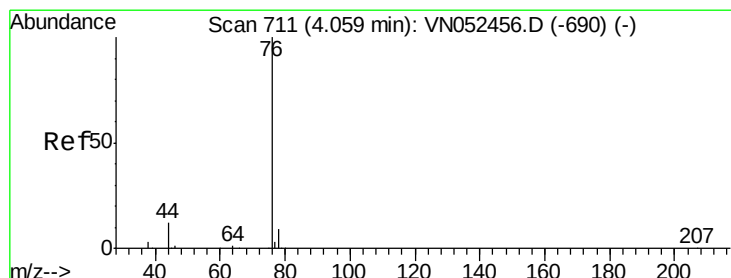
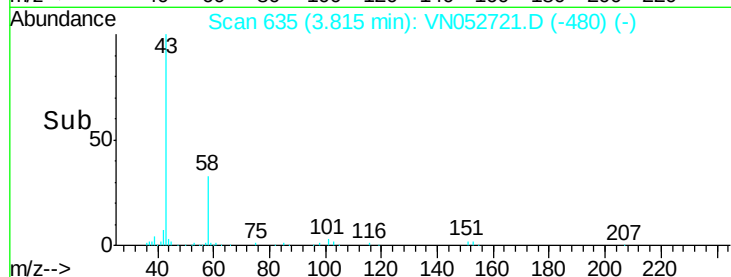
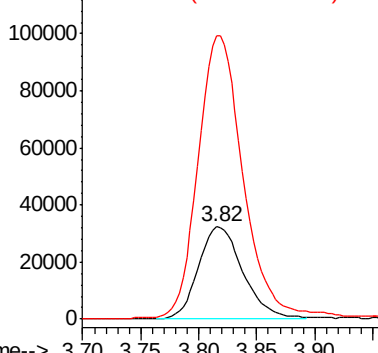
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.874 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052721.D

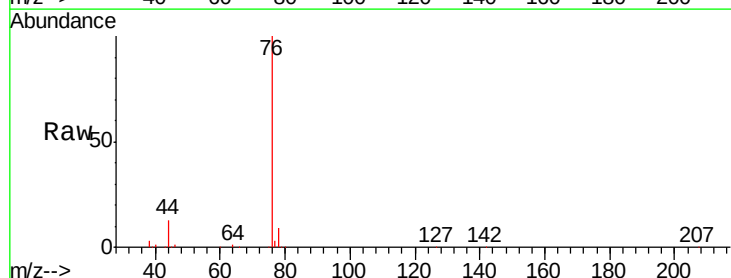
Acq: 7 Dec 2018 12:45

Tgt Ion: 76 Resp: 491873

Ion Ratio Lower Upper

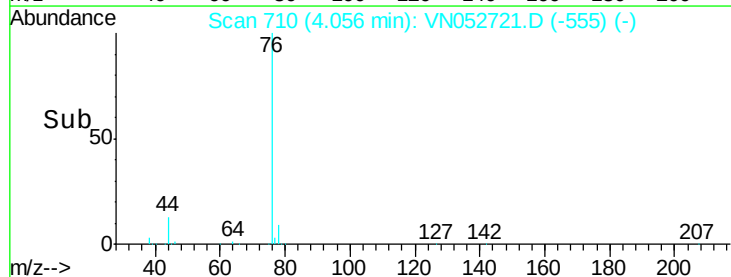
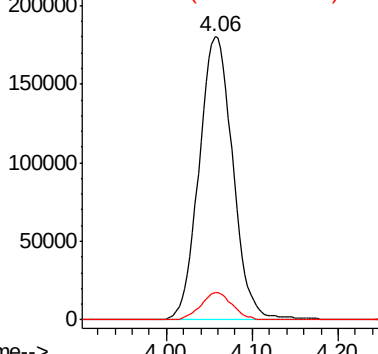
76 100

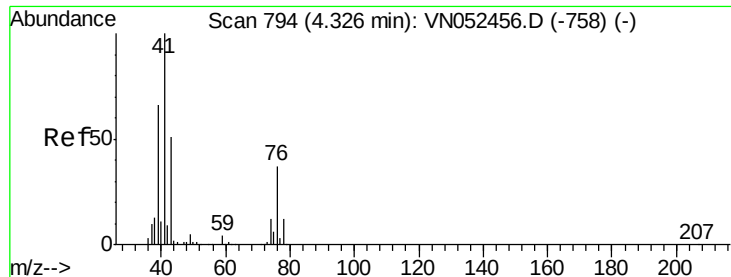
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





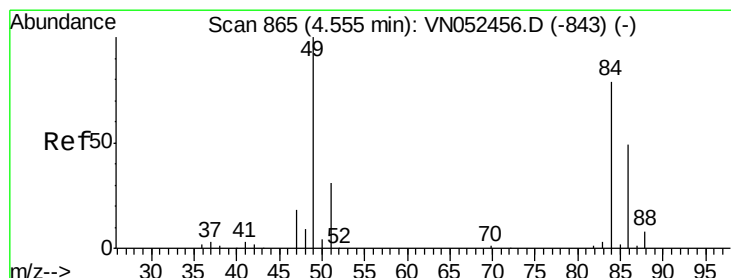
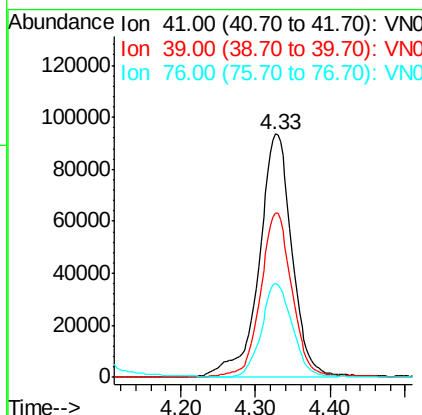
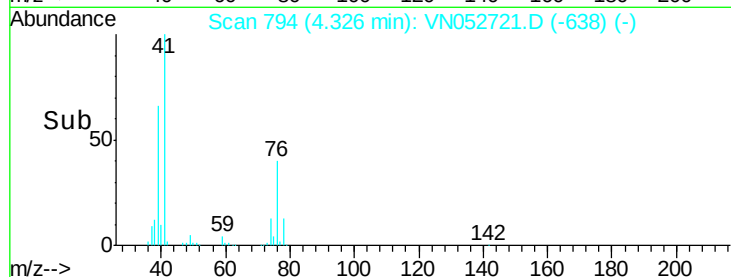
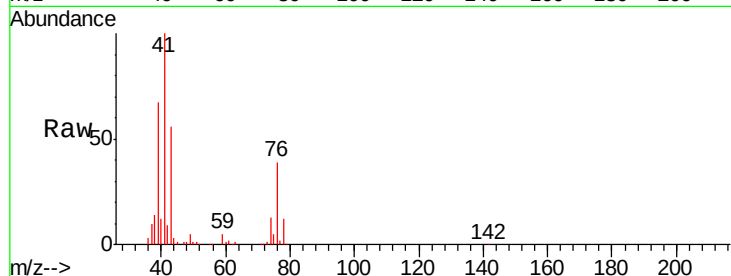
#17
 Allyl chloride
 Concen: 19.970 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	286690		
39	67.5	32.8	98.3	
76	38.2	18.6	55.8	

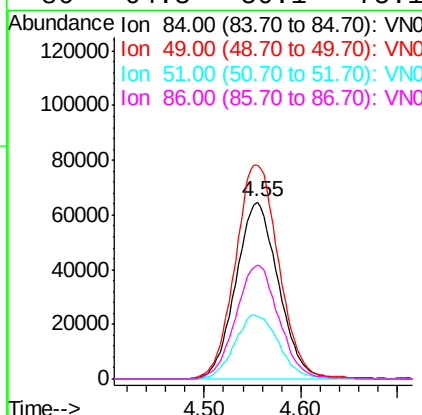
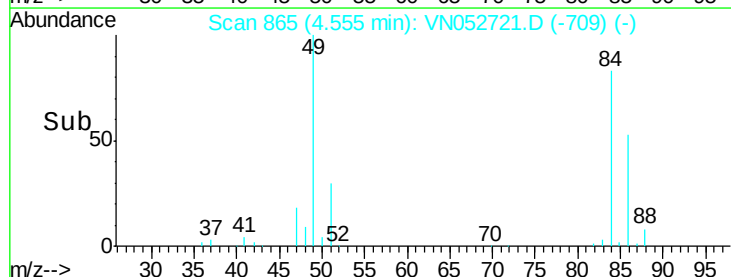
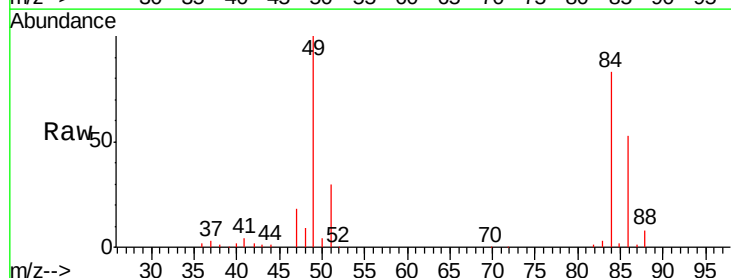
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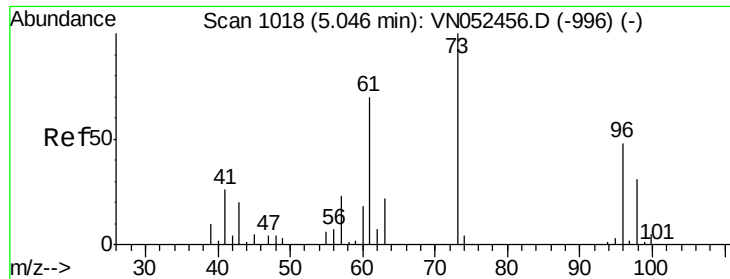
MMDadoda
 12/10/2018 12:50:36 PM



#18
 Methylene Chloride
 Concen: 20.733 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	197608		
49	120.9	101.4	152.0	
51	35.8	31.7	47.5	
86	64.3	50.1	75.1	





#19

trans-1,2-Dichloroethene

Concen: 20.485 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 96 Resp: 181471

Ion Ratio Lower Upper

96 100

61 142.7 118.2 177.4

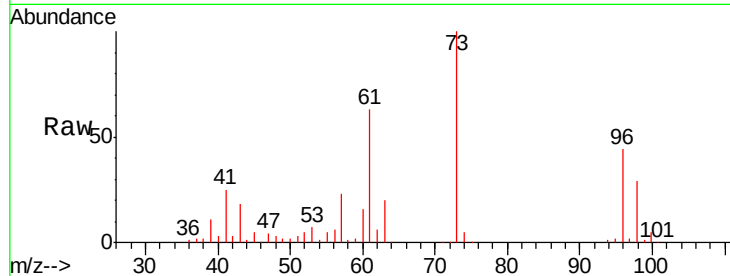
98 65.0 51.4 77.2

Manual Integrations

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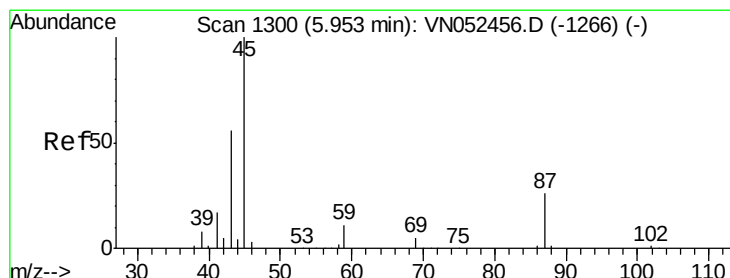
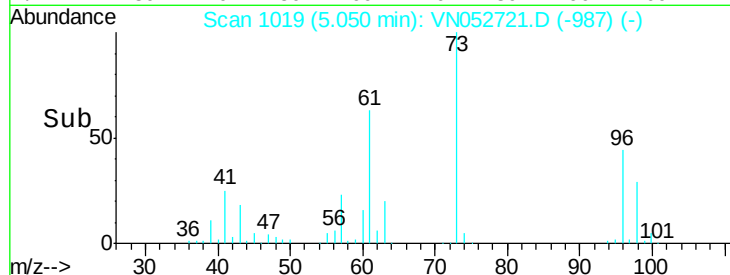
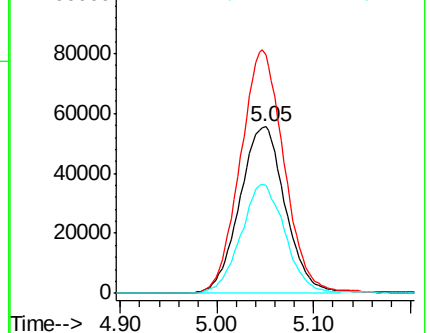
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Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.415 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion: 45 Resp: 615878

Ion Ratio Lower Upper

45 100

43 60.4 47.8 71.8

87 27.1 21.3 31.9

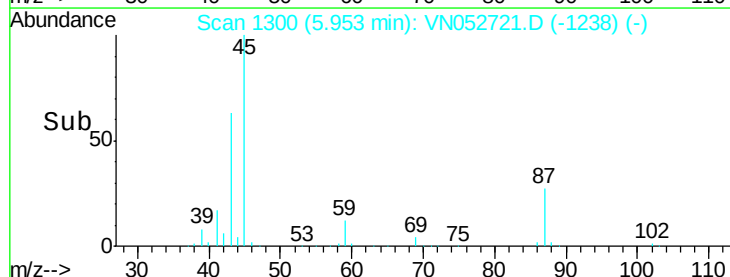
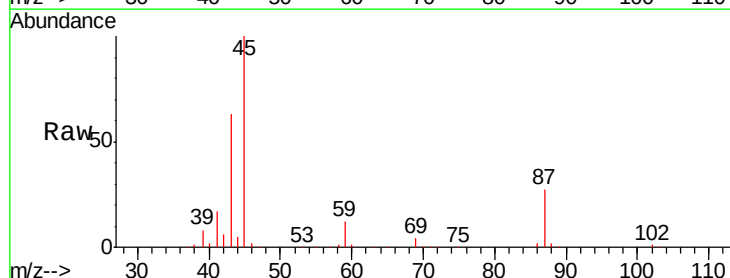
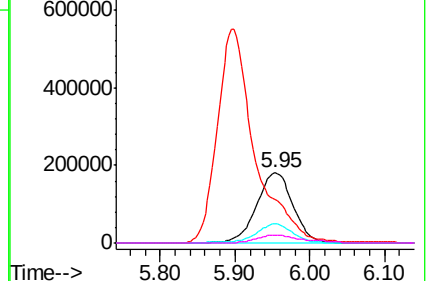
59 11.4 8.9 13.3

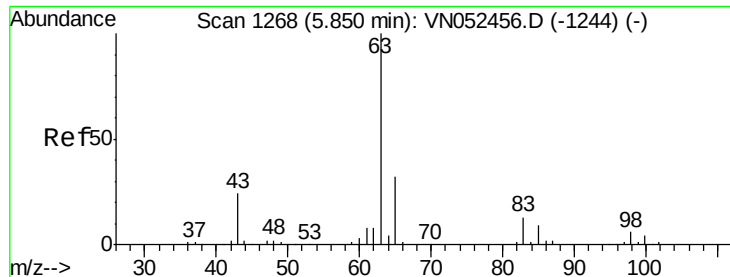
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.683 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

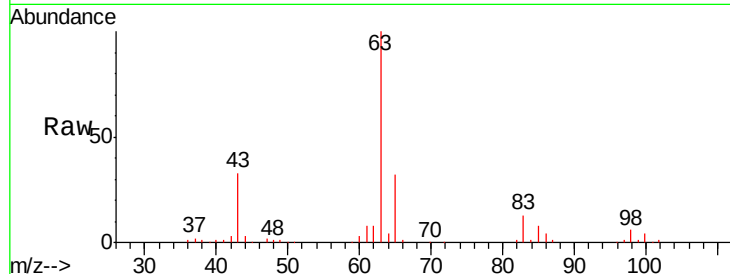
ClientSampleId :

VN1207WBS01

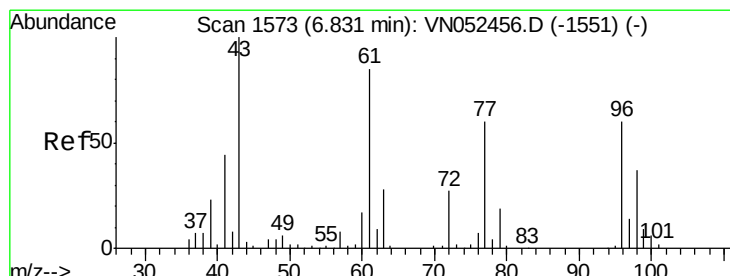
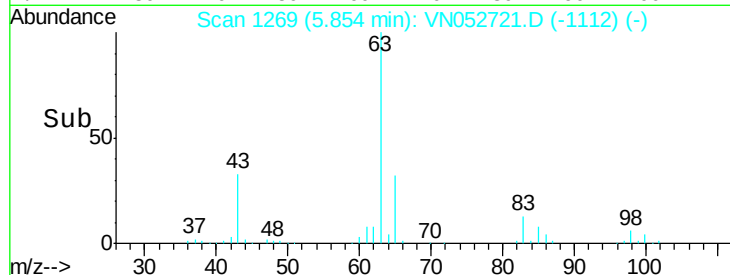
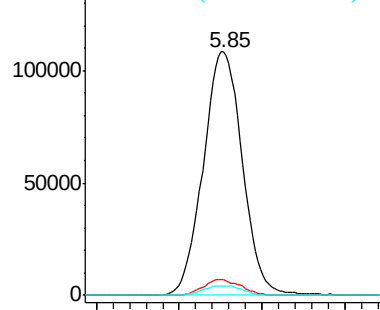
Tgt Ion:	63	Resp:	355642
Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.0	9.2
100	4.0	1.8	5.5

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Abundance Ion 63.00 (62.70 to 63.70): VN052721.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.887 ug/l

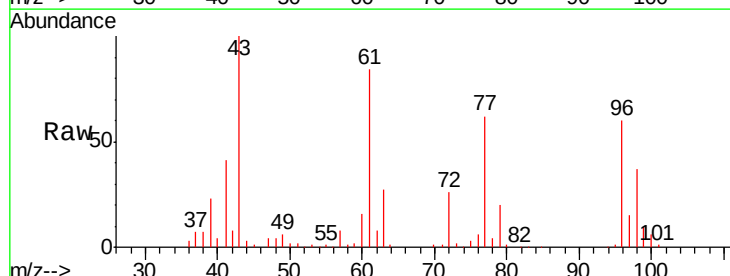
RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

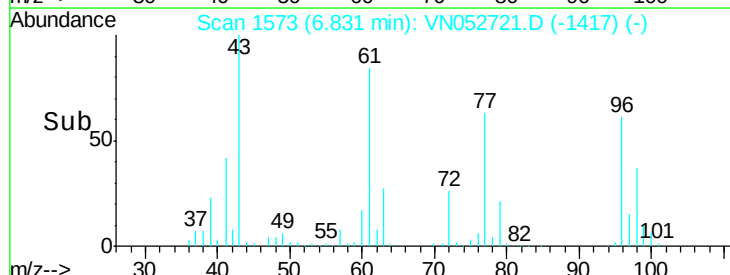
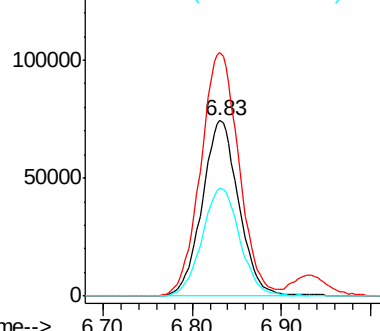
Lab File: VN052721.D

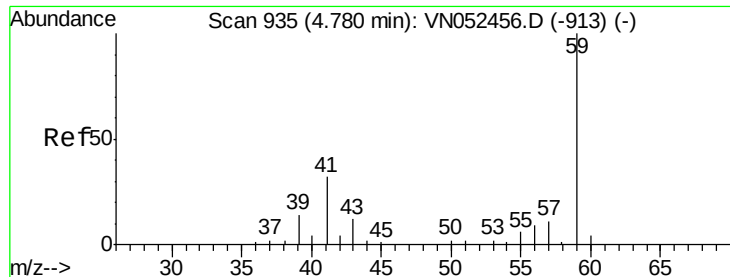
Acq: 7 Dec 2018 12:45

Tgt Ion:	96	Resp:	212061
Ion	Ratio	Lower	Upper
96	100		
61	144.4	116.7	175.1
98	63.6	50.8	76.2



Abundance Ion 96.00 (95.70 to 96.70): VN052721.D (-1417) (-)





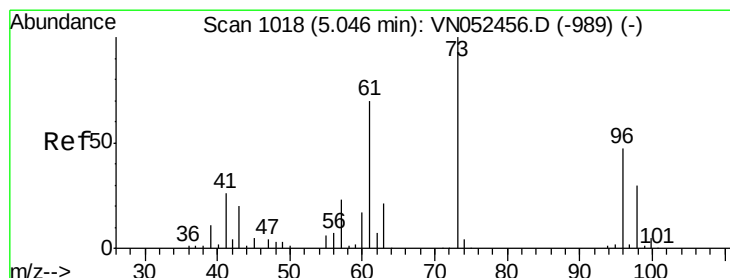
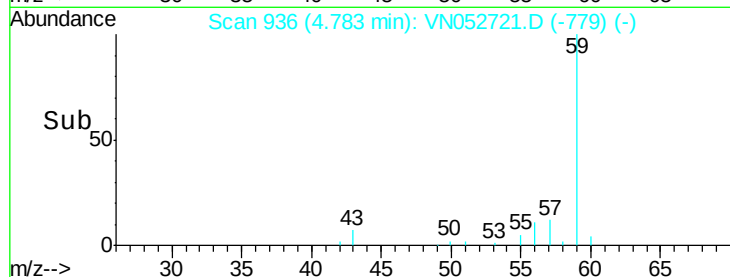
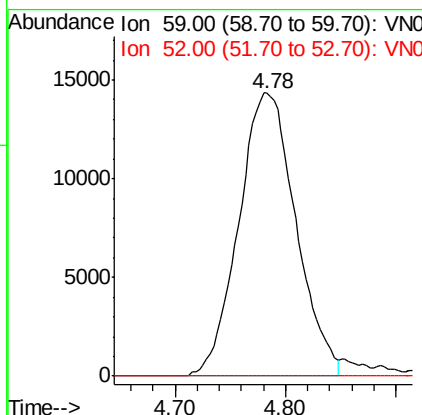
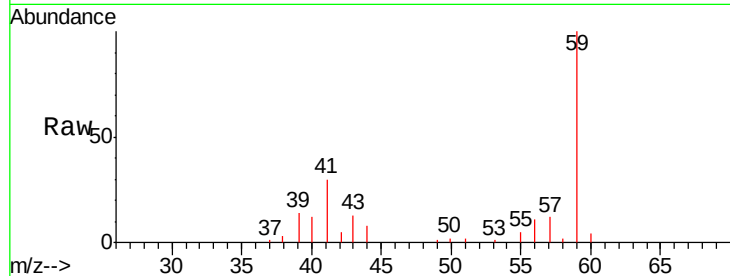
#23
 tert-Butyl Alcohol
 Concen: 116.168 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

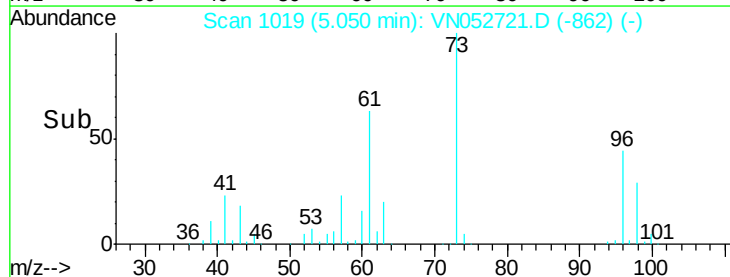
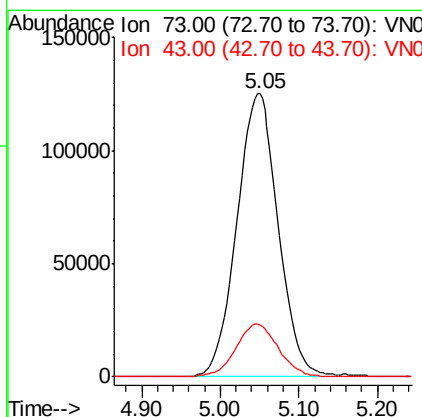
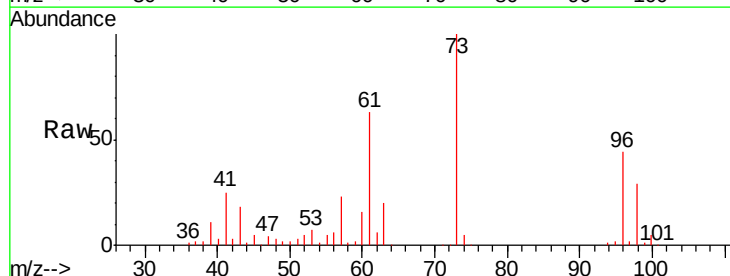
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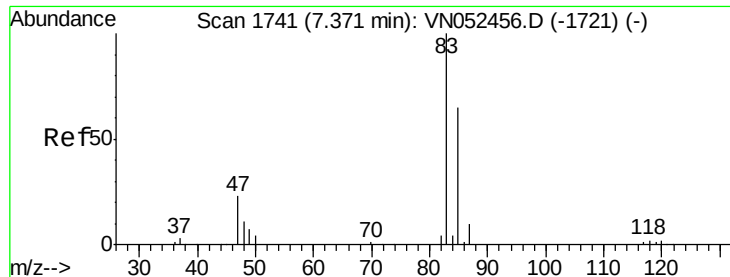
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#24
 Methyl tert-Butyl Ether
 Concen: 21.393 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.8	23.8





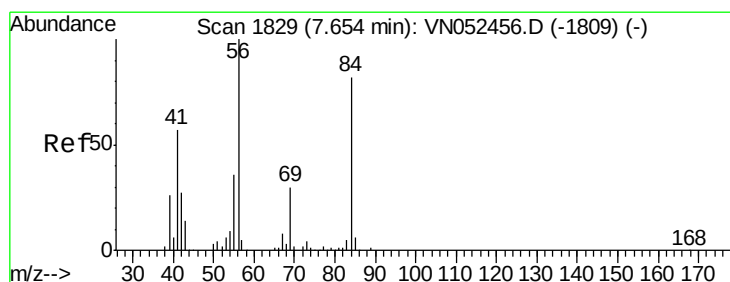
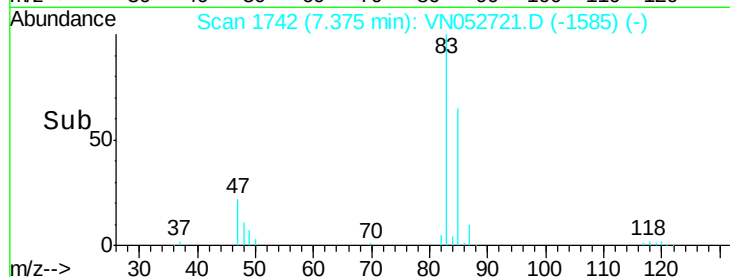
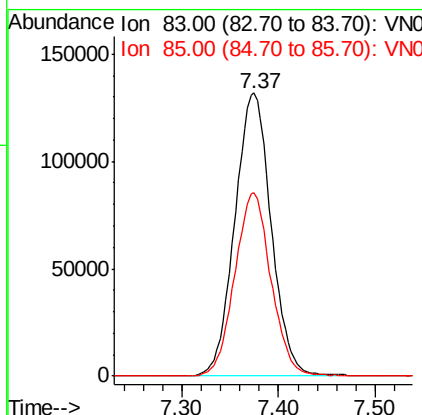
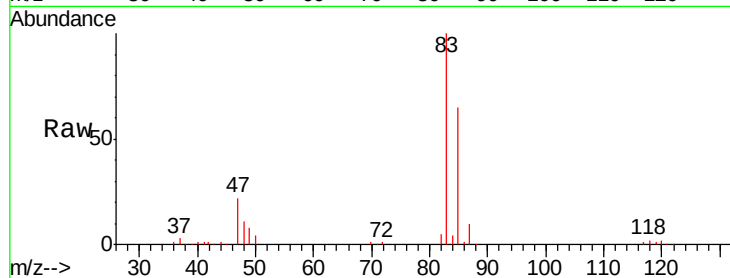
#25
Chloroform
Concen: 20.761 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.7	77.5

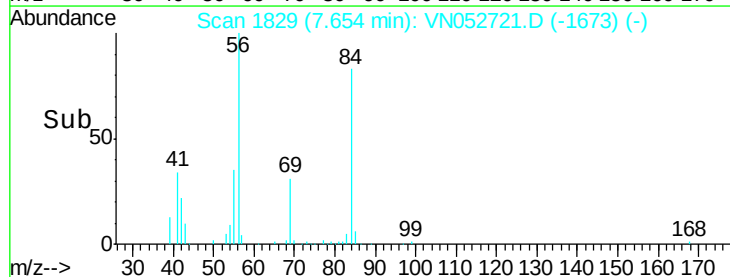
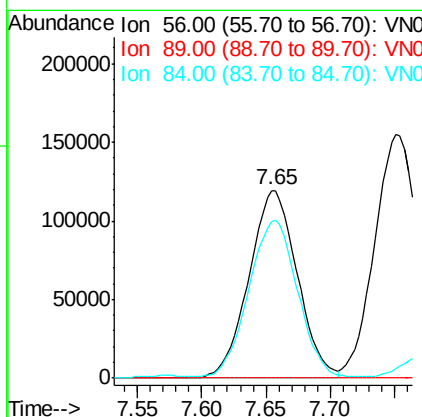
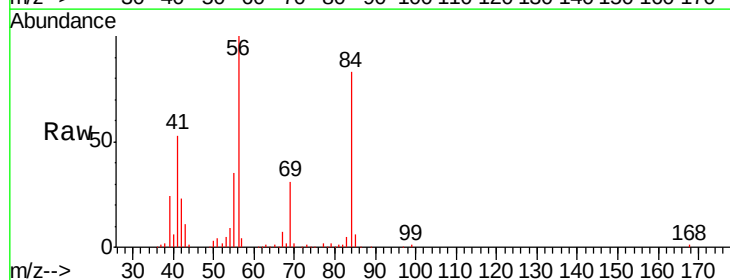
Manual Integrations
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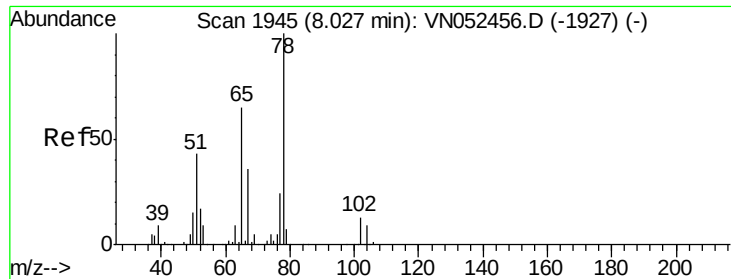
MMDadoda
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#26
Cyclohexane
Concen: 19.159 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
56	100		
89	0.1	0.5	0.7#
84	84.3	66.2	99.2





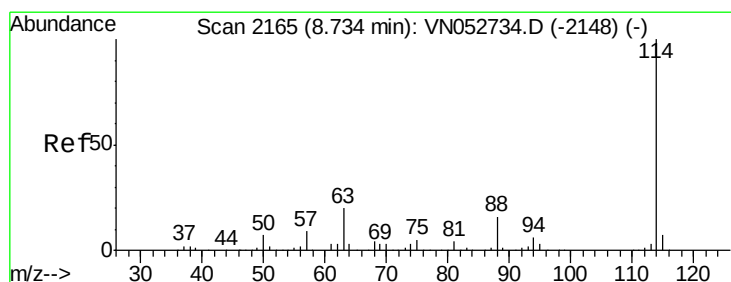
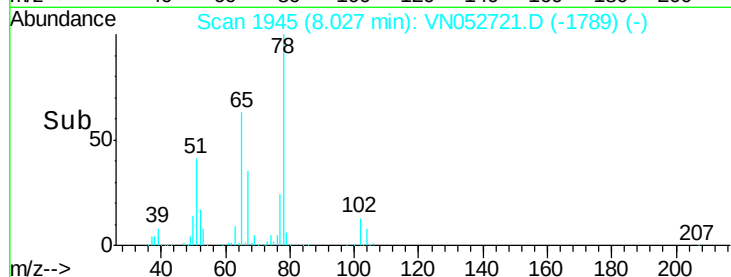
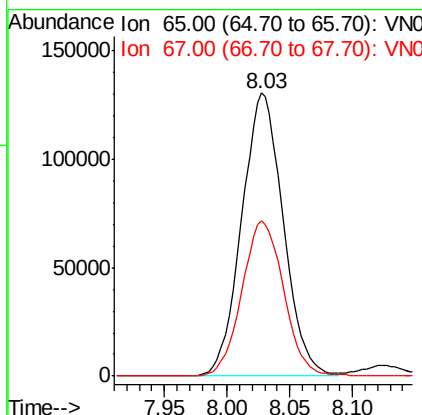
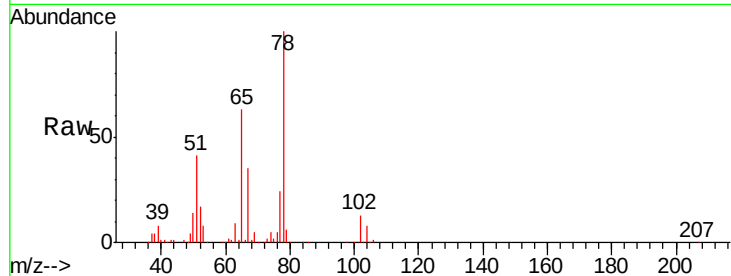
#27
 1,2-Dichloroethane-d4
 Concen: 19.159 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.1	44.6	66.8

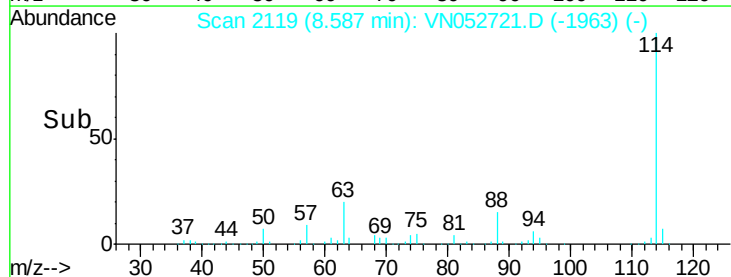
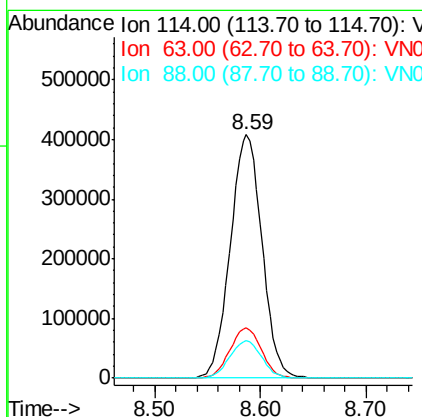
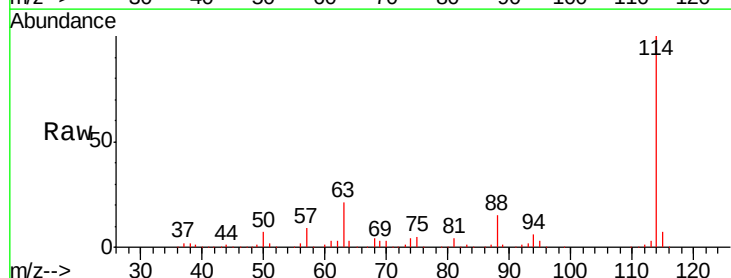
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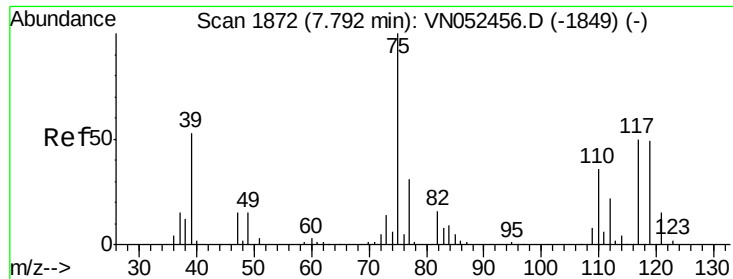
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	16.9	25.3
88	15.5	12.8	19.2





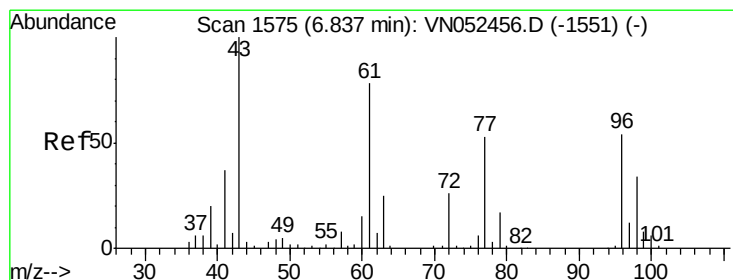
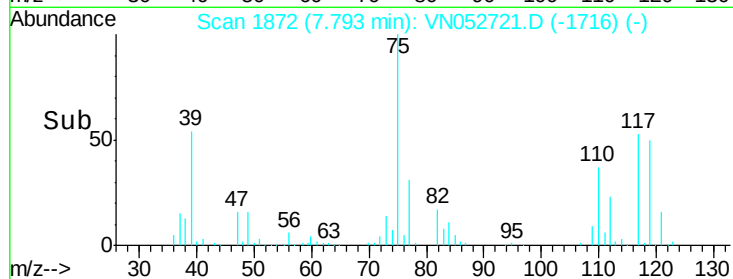
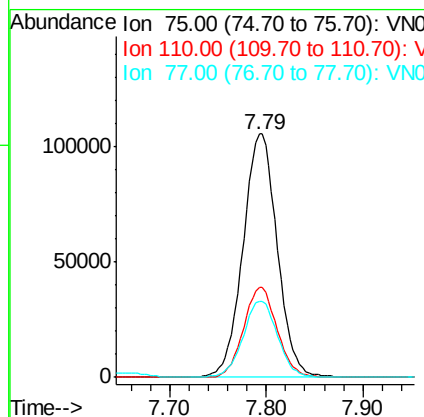
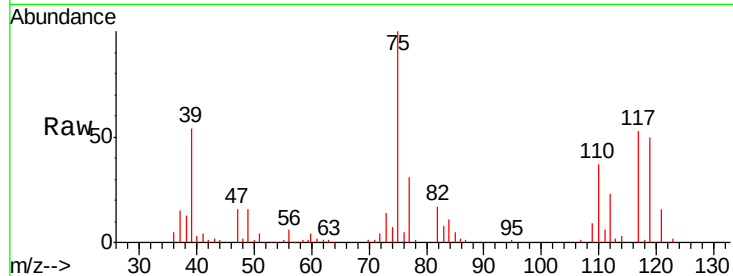
#29
 1,1-Dichloropropene
 Concen: 19.980 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	36.3	0.0	70.2
77	31.7	0.0	62.6

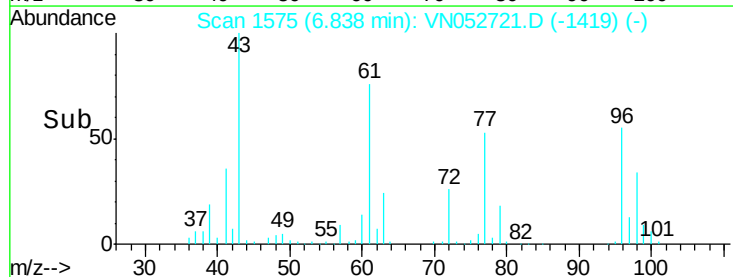
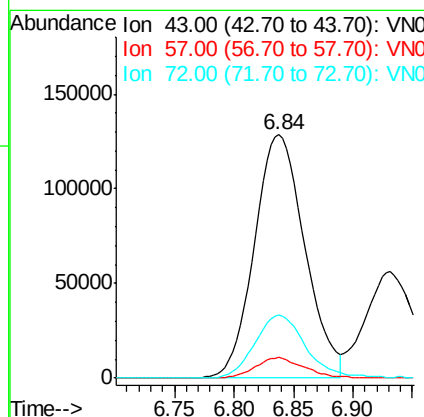
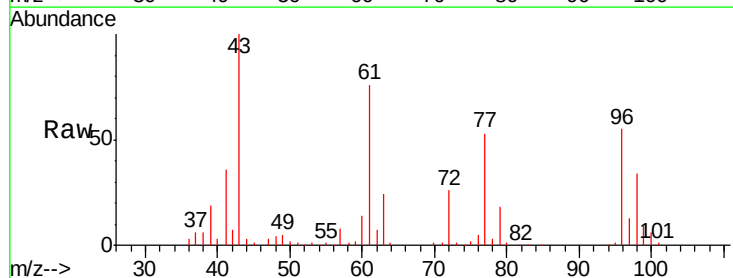
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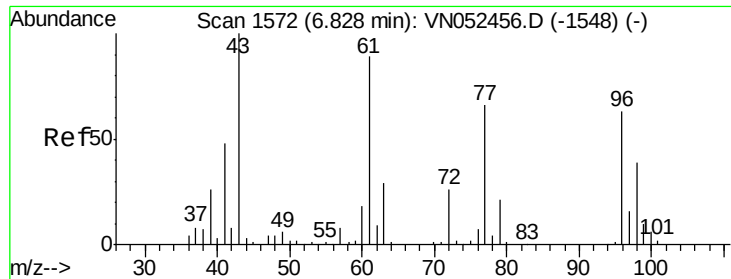
MMDadoda
 12/10/2018 12:50:36 PM



#30
 2-Butanone
 Concen: 108.385 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.1	6.2	9.4
72	26.4	21.0	31.6





#31

2,2-Dichloropropane

Concen: 20.865 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 77 Resp: 248975

Ion Ratio Lower Upper

77 100

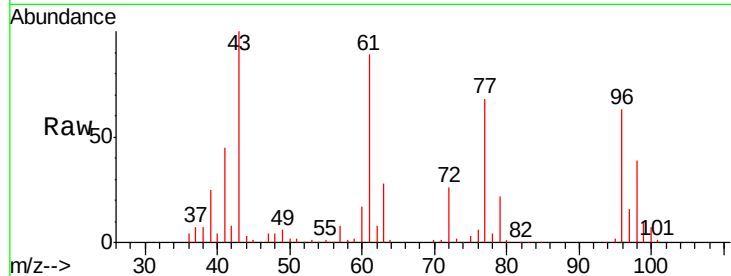
97 23.7 18.7 28.1

Manual Integrations

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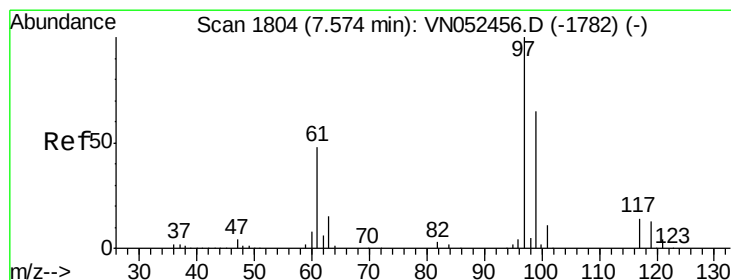
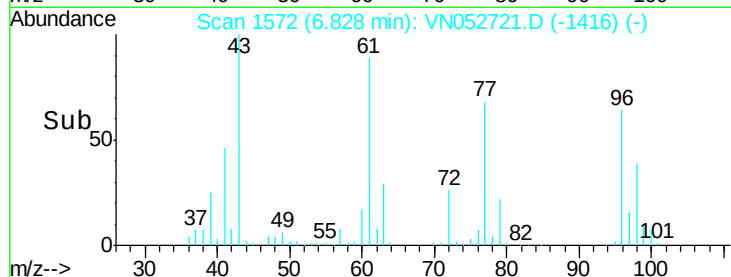
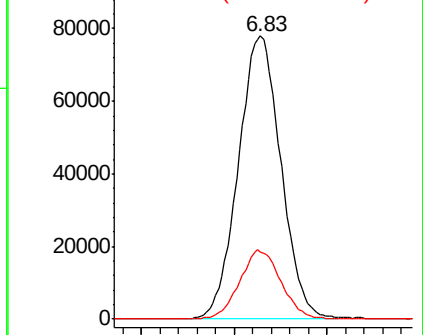
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Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.715 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

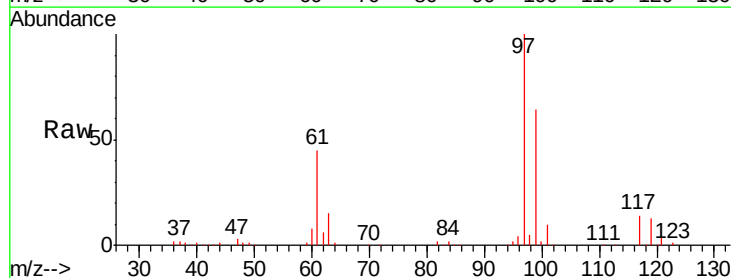
Tgt Ion: 97 Resp: 279382

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

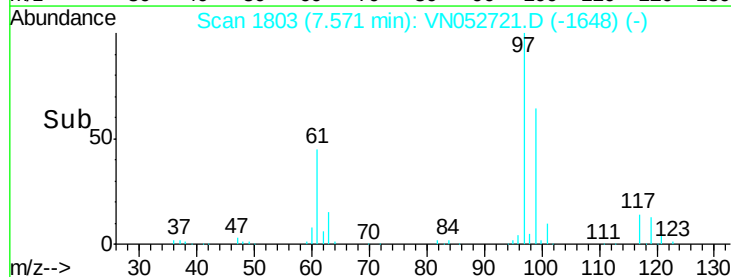
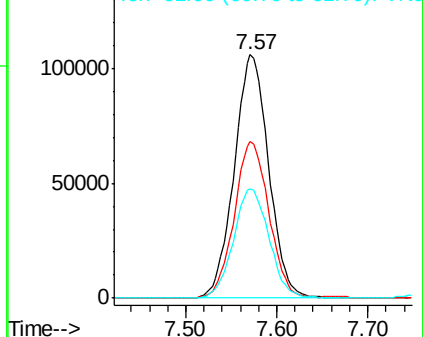
61 46.0 38.1 57.1

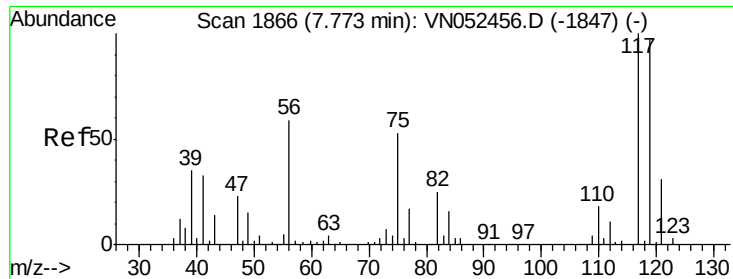


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 20.729 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

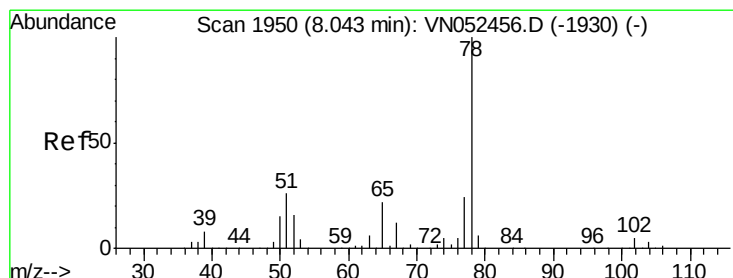
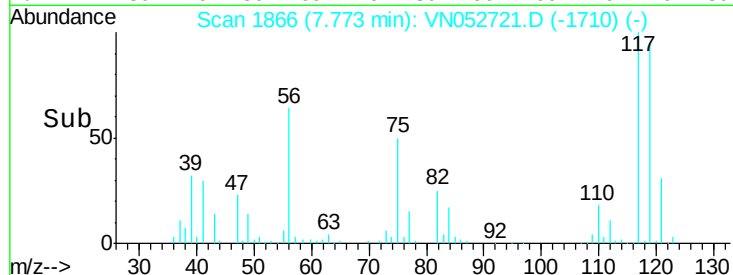
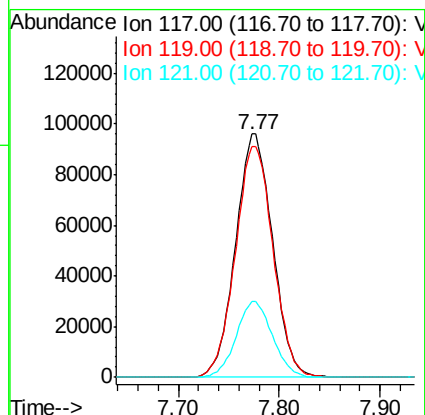
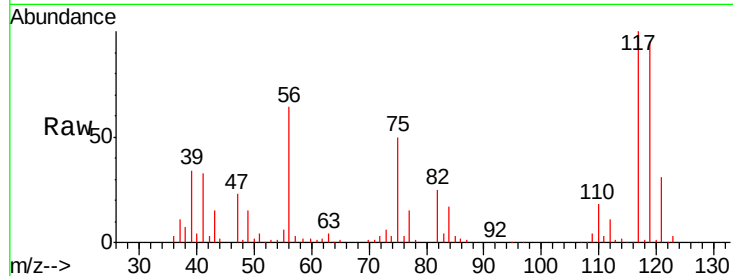
ClientSampleId :

VN1207WBS01

Tgt Ion:	117	Resp:	244623
Ion Ratio	Lower	Upper	
117	100		
119	94.9	77.3	115.9
121	31.0	24.9	37.3

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#34

Benzene

Concen: 20.530 ug/l

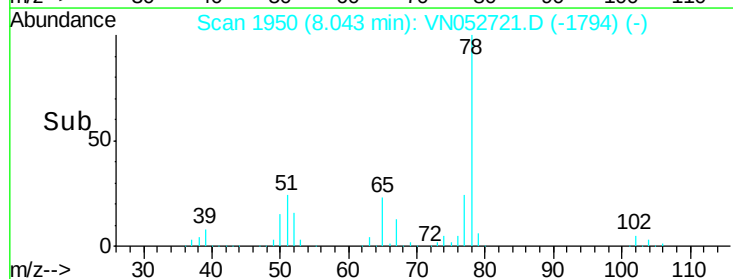
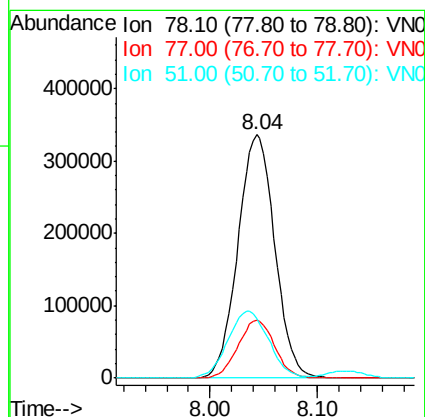
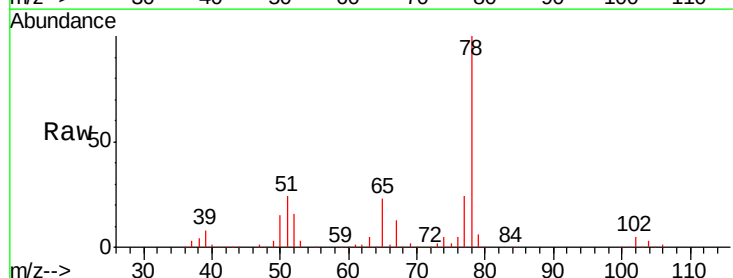
RT: 8.04 min Scan# 1950

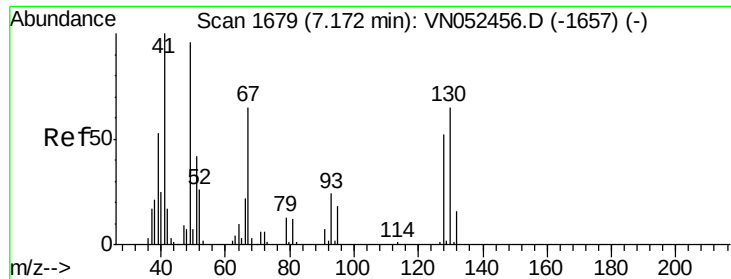
Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	78	Resp:	800057
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.0	28.6
51	24.2	20.5	30.7





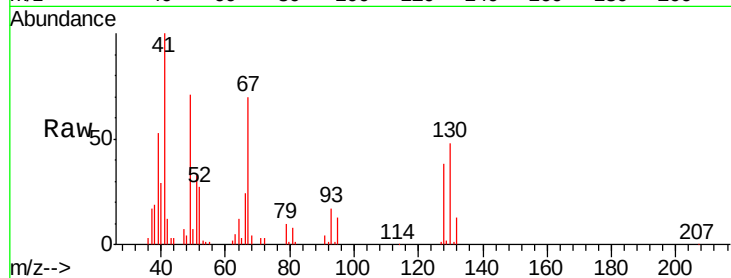
#35
Methacrylonitrile
Concen: 17.312 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

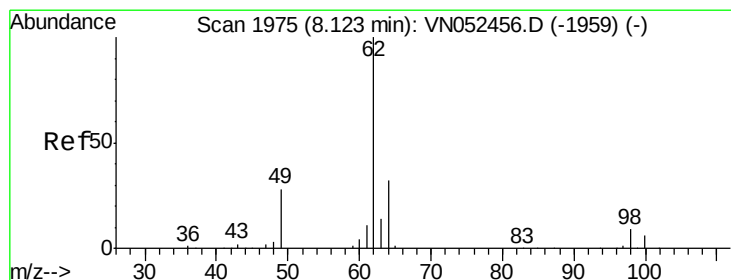
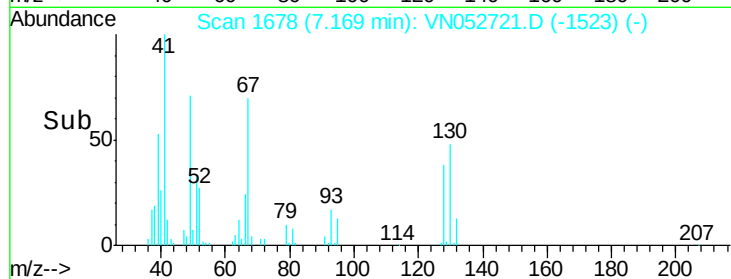
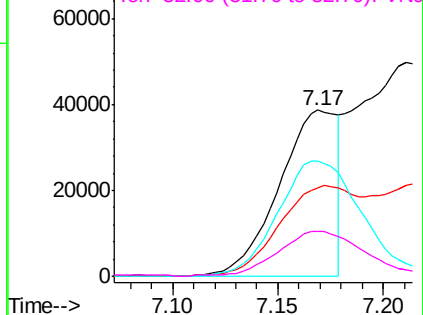
Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.0	26.6	79.7
67	69.5	32.3	96.9
52	26.7	13.0	38.9

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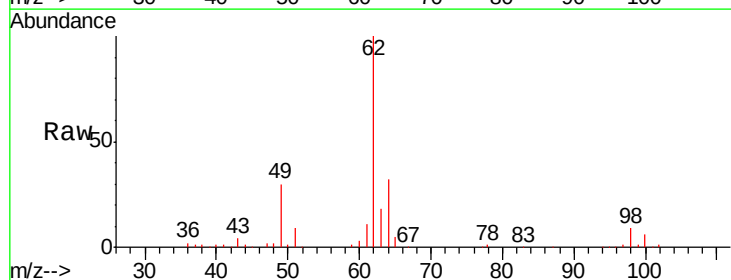


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

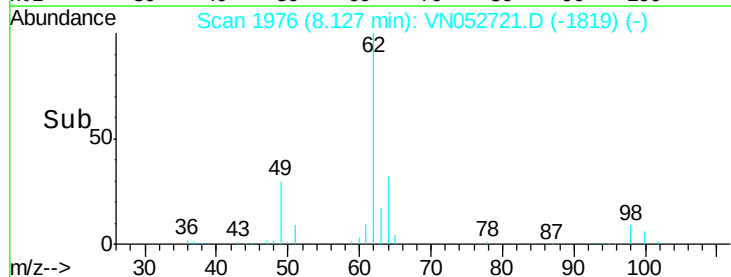
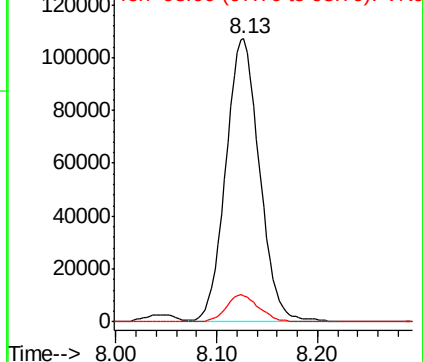


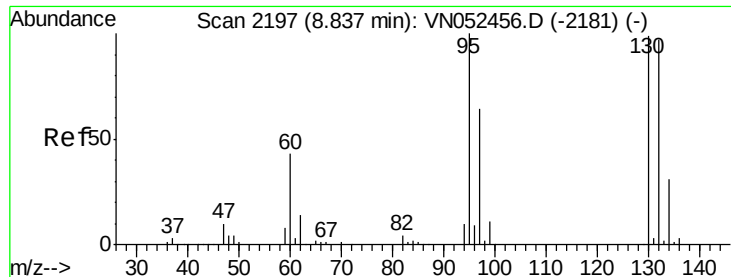
#36
1,2-Dichloroethane
Concen: 21.169 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.4	11.2



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





#37

Trichloroethene

Concen: 20.674 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion:130 Resp: 204302

Ion Ratio Lower Upper

130 100

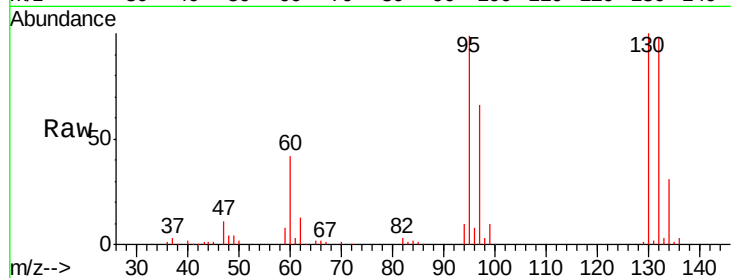
95 98.6 81.0 121.4

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

100000

80000

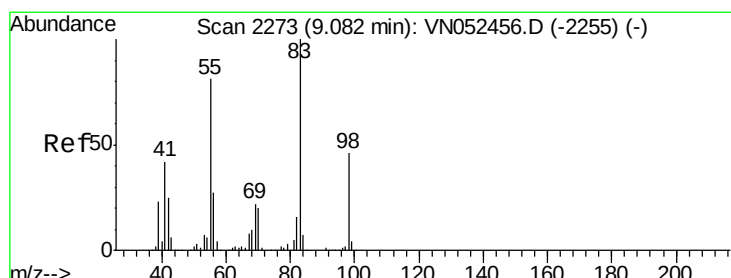
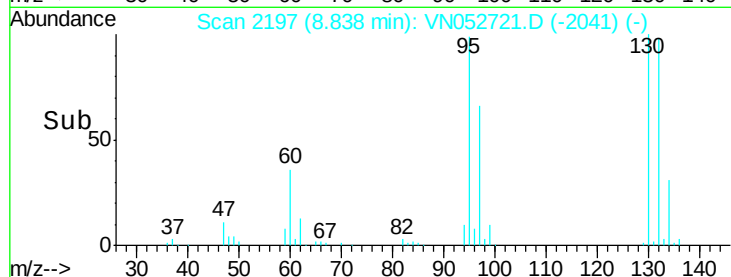
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 19.368 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

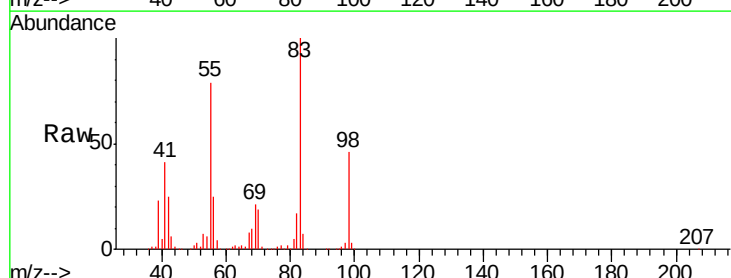
Tgt Ion: 83 Resp: 310764

Ion Ratio Lower Upper

83 100

55 78.2 39.8 119.4

98 46.1 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

200000

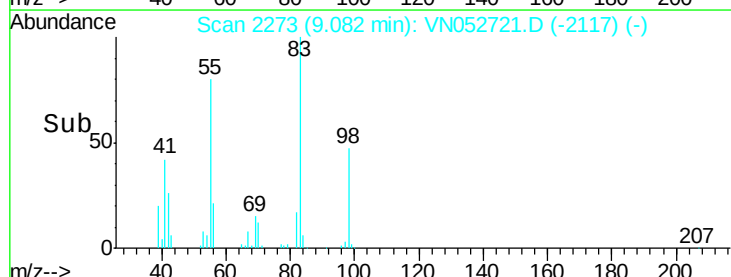
150000

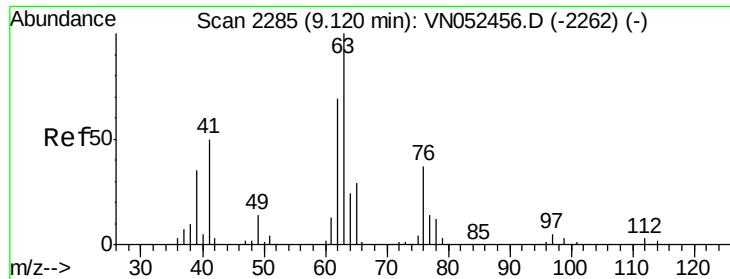
100000

50000

0

Time-->





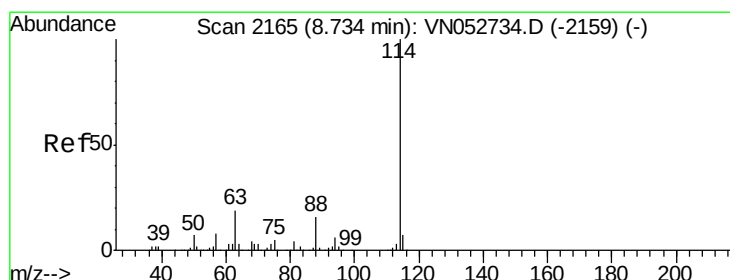
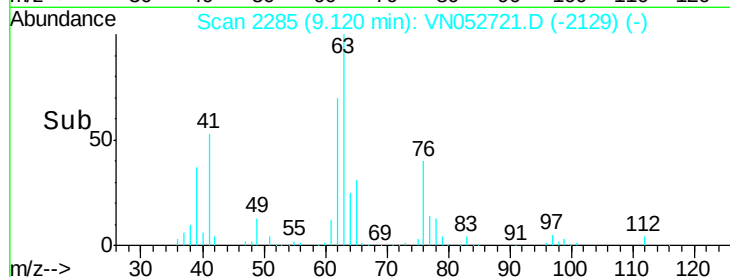
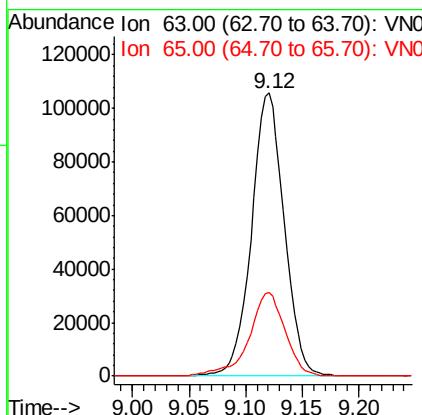
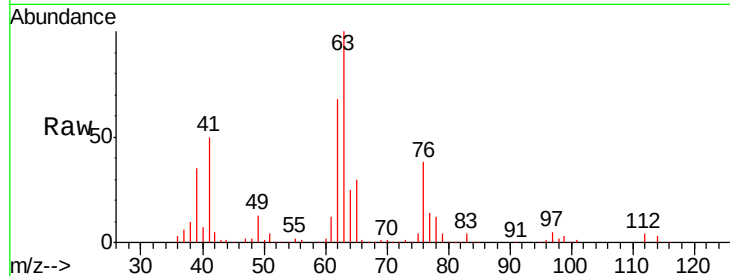
#39
 1,2-Dichloropropane
 Concen: 20.364 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion: 63 Resp: 212728
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.6 35.4

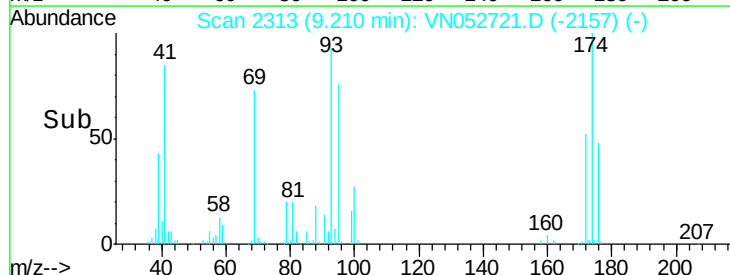
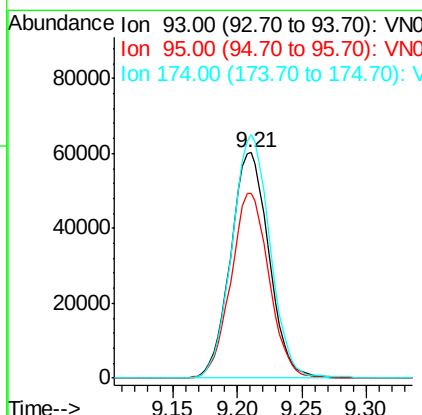
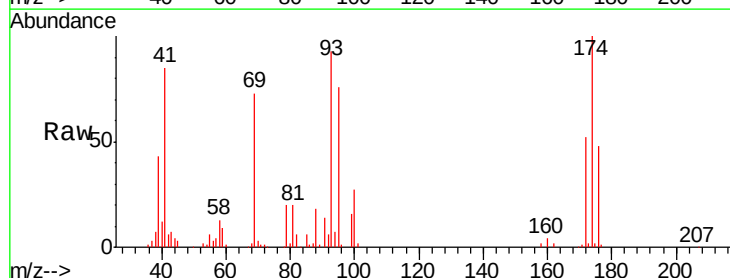
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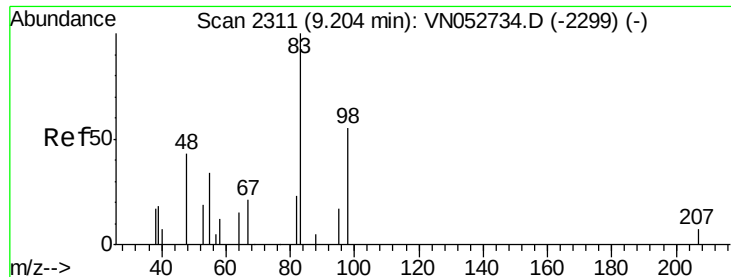
MMDadoda
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#40
 Dibromomethane
 Concen: 22.072 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion: 93 Resp: 124596
 Ion Ratio Lower Upper
 93 100
 95 81.7 0.0 168.4
 174 107.0 0.0 210.0





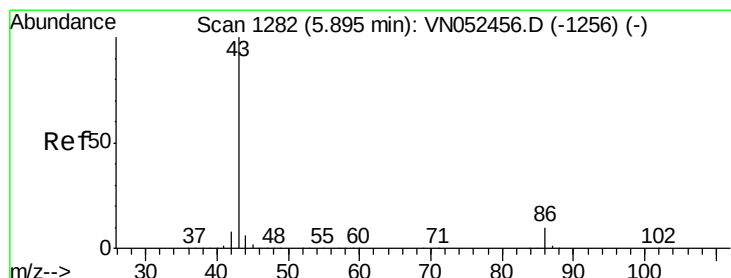
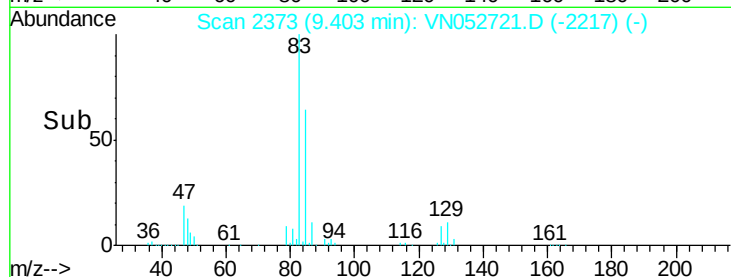
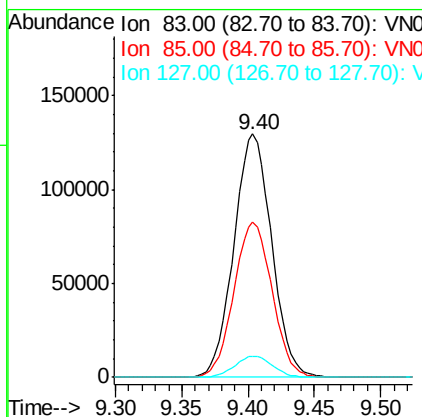
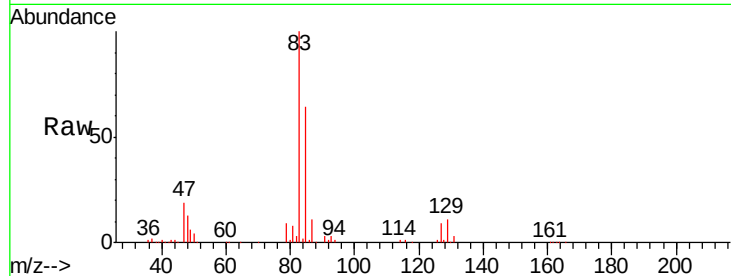
#41
Bromodichloromethane
Concen: 20.609 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6
127	8.7	6.6	9.8

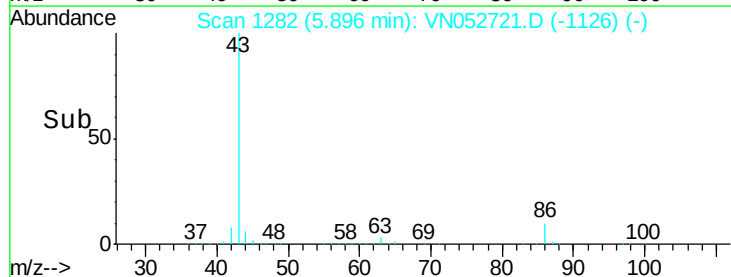
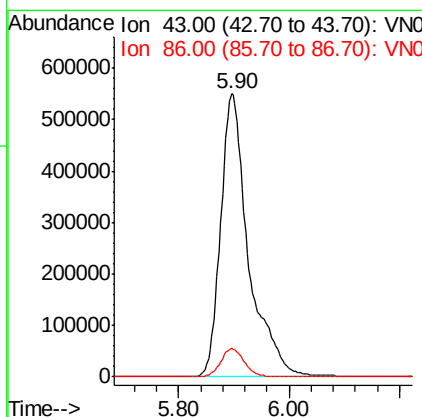
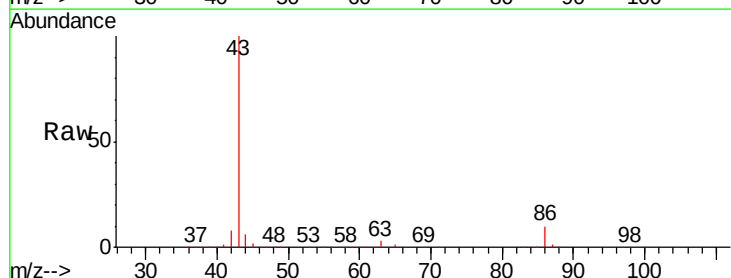
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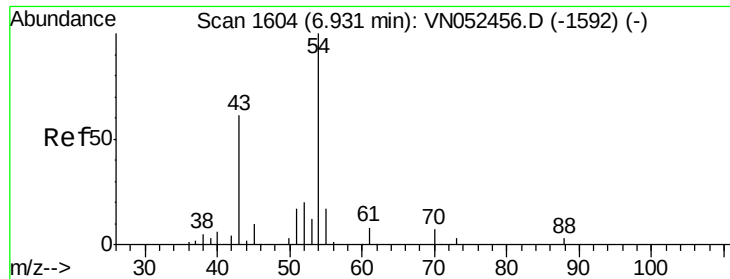
MMDadoda
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#42
Vinyl Acetate
Concen: 102.758 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.5	9.7





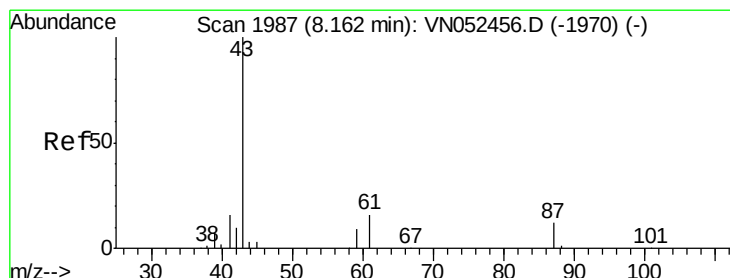
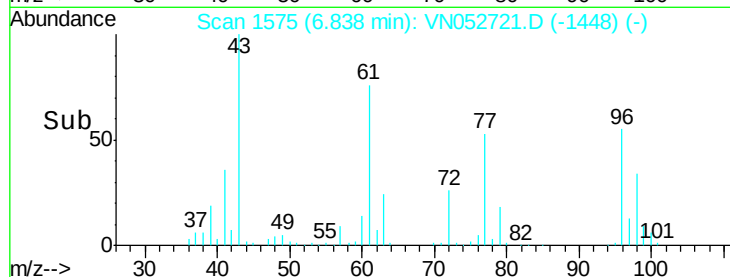
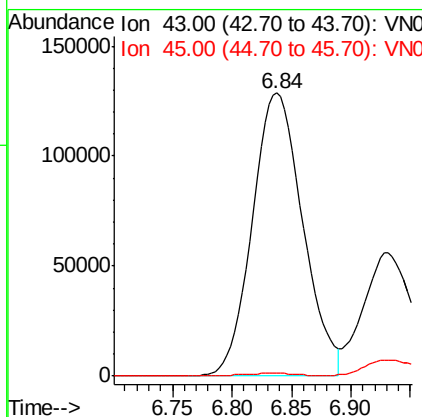
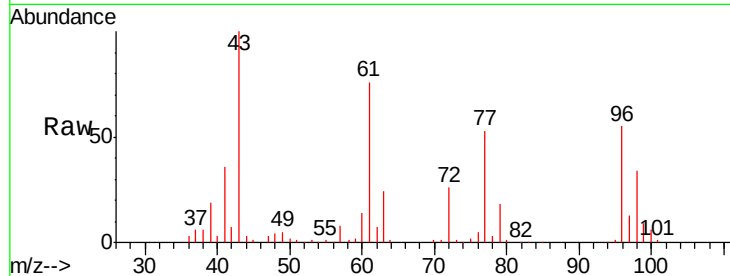
#43
Ethyl Acetate
Concen: 50.971 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion: 43 Resp: 375920
Ion Ratio Lower Upper
43 100
45 1.2 1.0 1.6

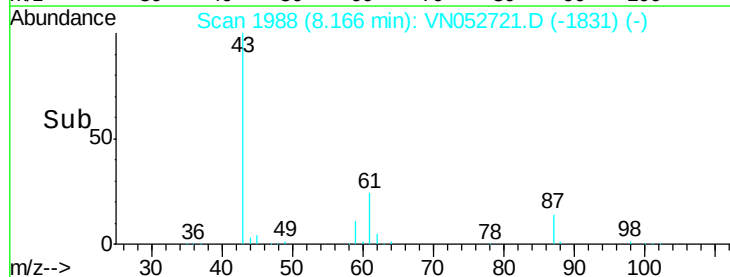
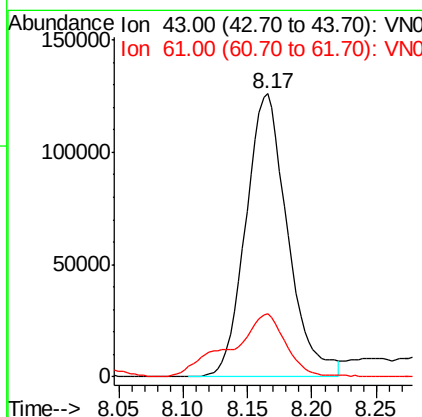
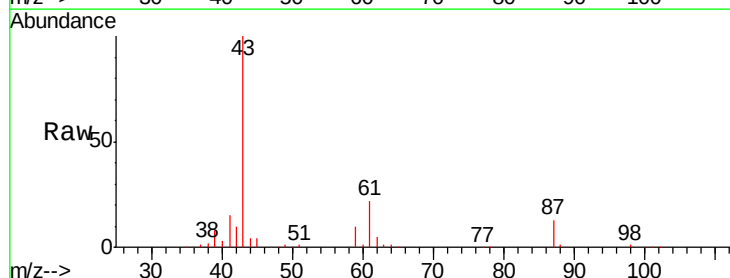
Manual Integrations
APPROVED

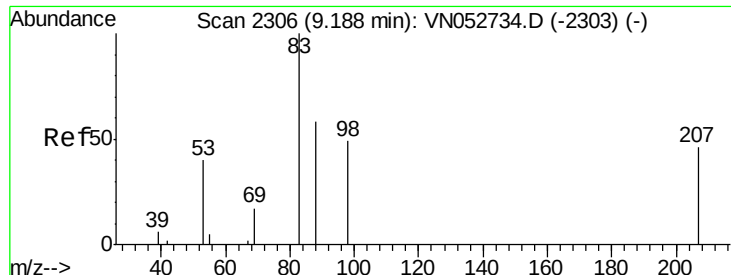
MMDadoda
12/10/2018 12:50:36 PM



#44
Isopropyl Acetate
Concen: 21.898 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion: 43 Resp: 283245
Ion Ratio Lower Upper
43 100
61 29.0 16.0 24.0#





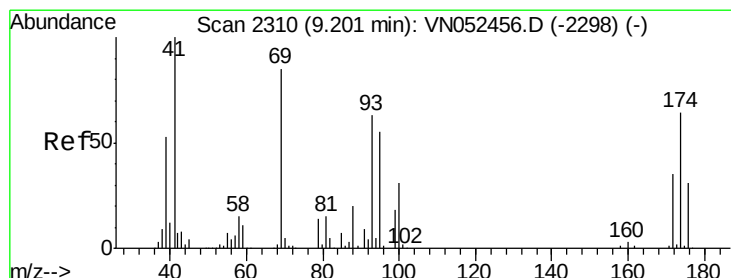
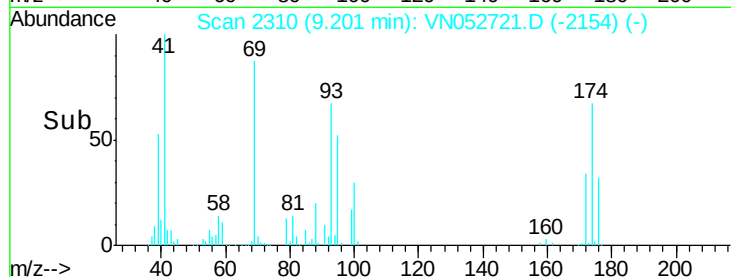
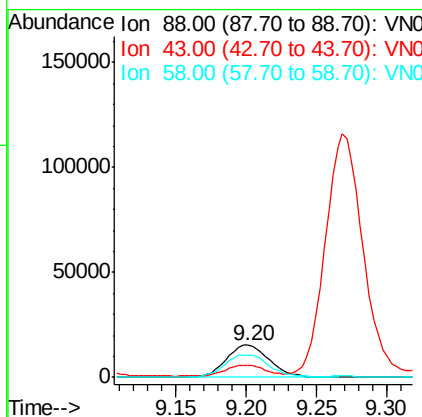
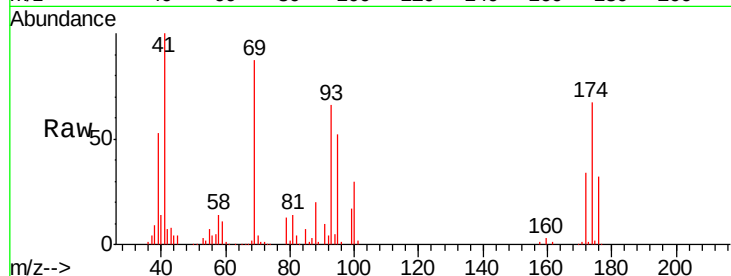
#45
 1,4-Dioxane
 Concen: 465.727 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
88	100		
43	32.0	29.5	44.3
58	72.0	61.5	92.3

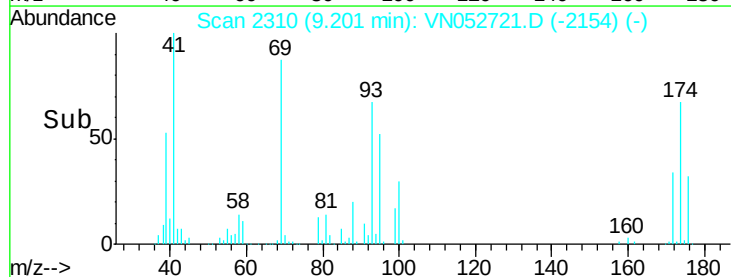
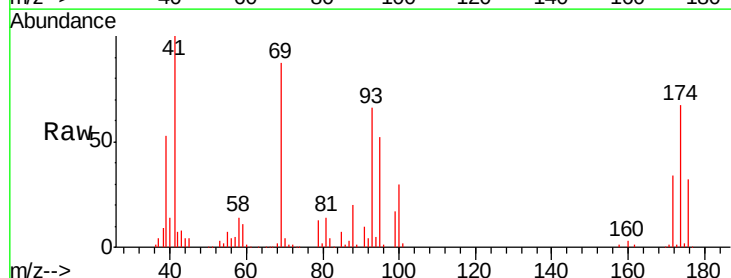
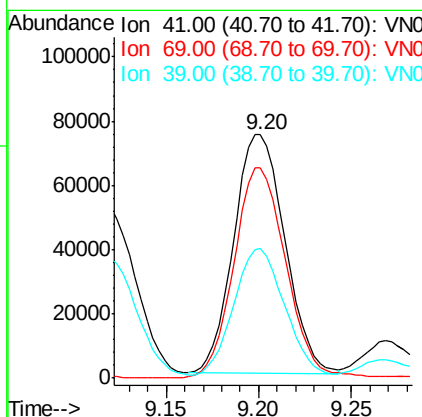
Manual Integrations
 APPROVED

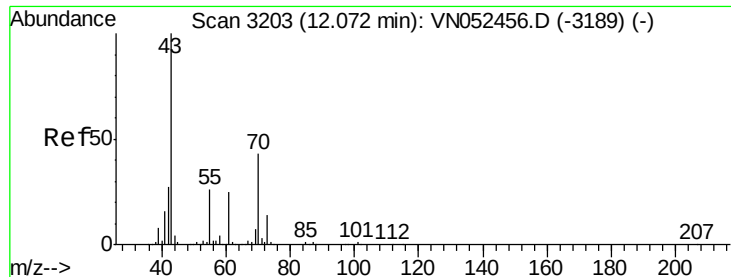
MMDadoda
 12/10/2018 12:50:36 PM



#46
 Methyl methacrylate
 Concen: 21.324 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
41	100		
69	87.7	42.5	127.6
39	53.0	26.3	78.9





#47

n-amyl Acetate

Concen: 20.703 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 43 Resp: 222029

Ion Ratio Lower Upper

43 100

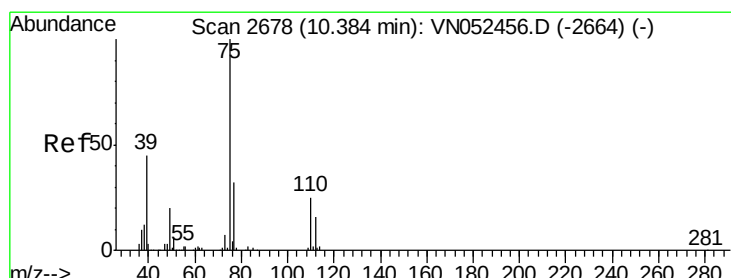
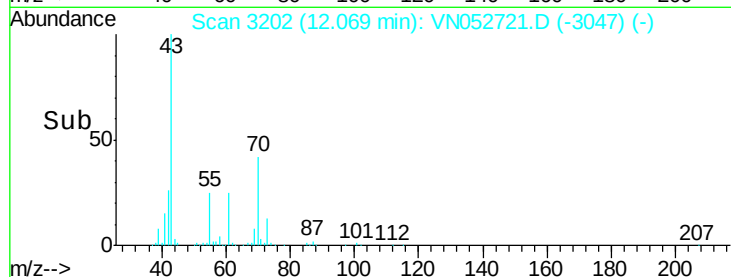
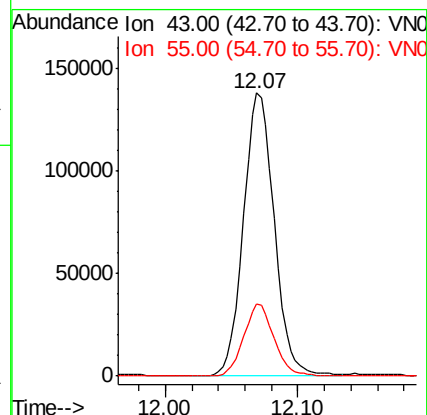
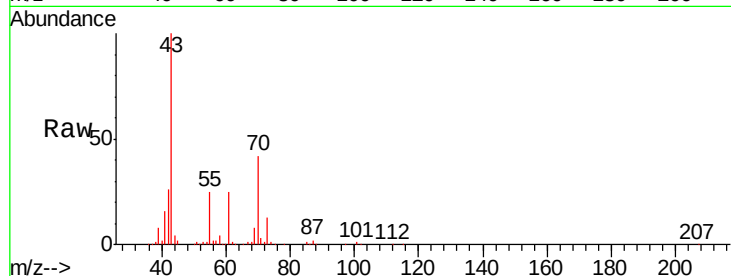
55 25.3 21.1 31.7

Manual Integrations

APPROVED

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12/10/2018 12:50:36 PM



#48

t-1,3-Dichloropropene

Concen: 20.877 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052721.D

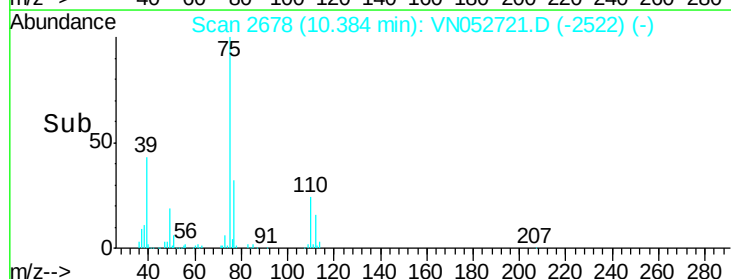
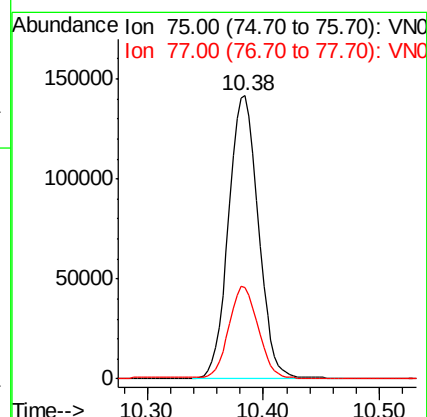
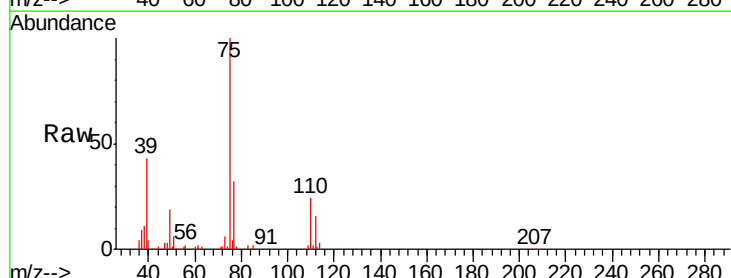
Acq: 7 Dec 2018 12:45

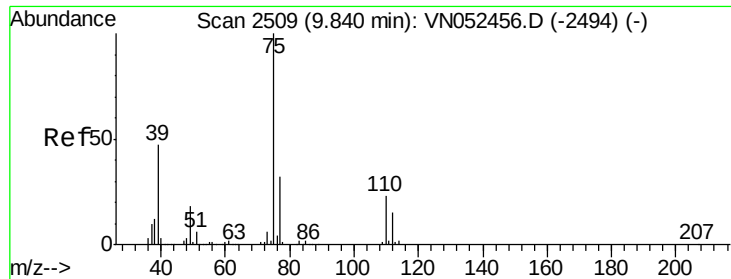
Tgt Ion: 75 Resp: 252470

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4





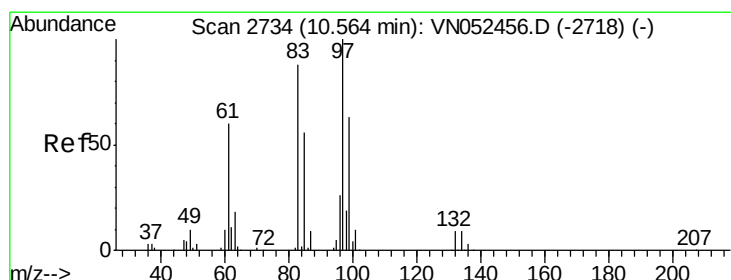
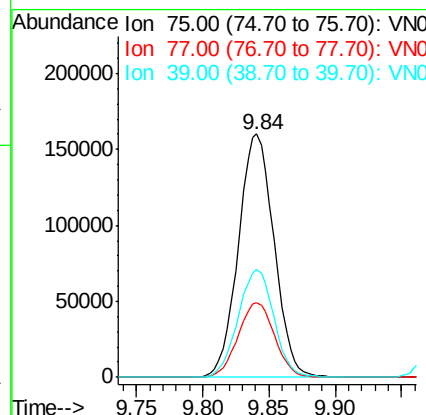
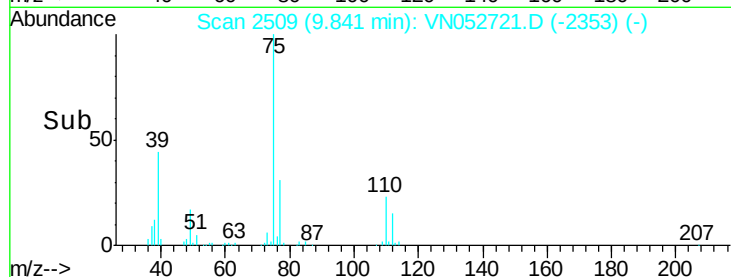
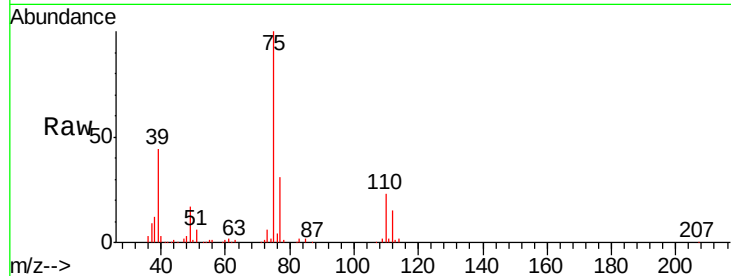
#49
 cis-1,3-Dichloropropene
 Concen: 20.344 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299736		
77	30.9	25.4	38.0	
39	44.1	37.3	55.9	

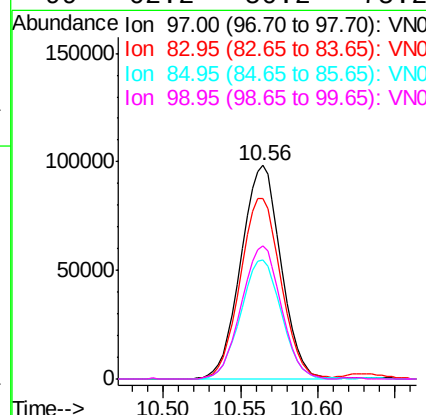
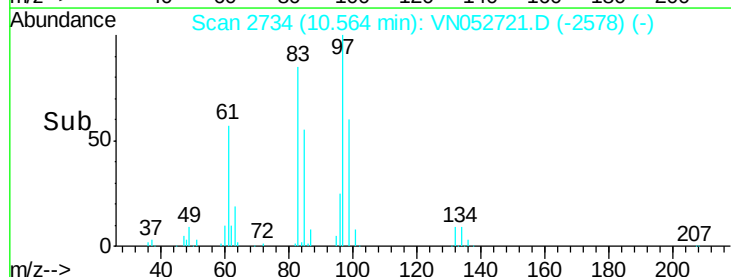
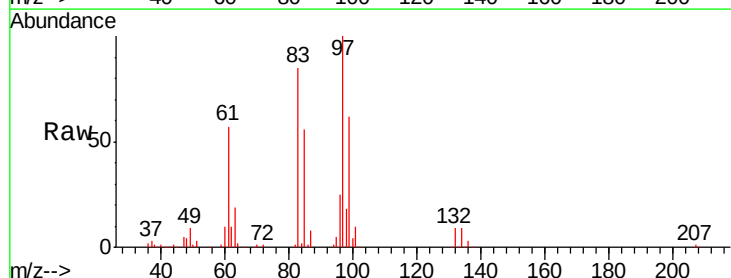
Manual Integrations
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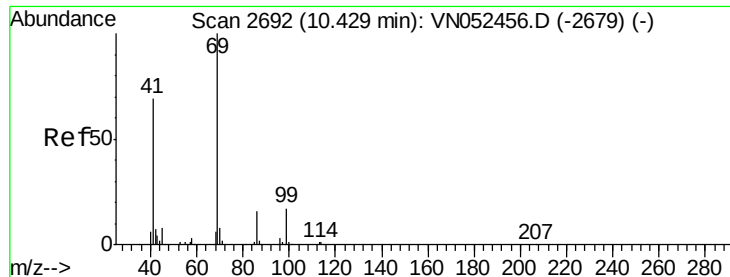
MMDadoda
 12/10/2018 12:50:36 PM



#50
 1,1,2-Trichloroethane
 Concen: 22.197 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	177615		
83	84.7	70.4	105.6	
85	55.6	45.0	67.6	
99	62.2	50.2	75.2	





#51

Ethyl methacrylate

Concen: 21.362 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

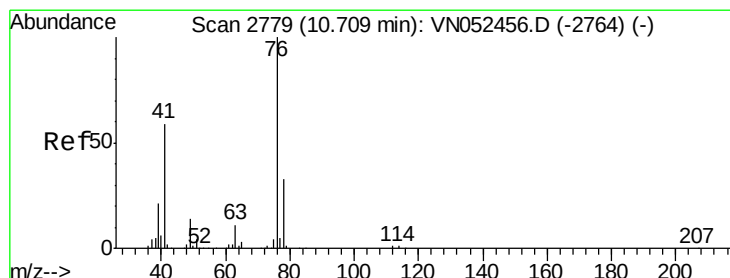
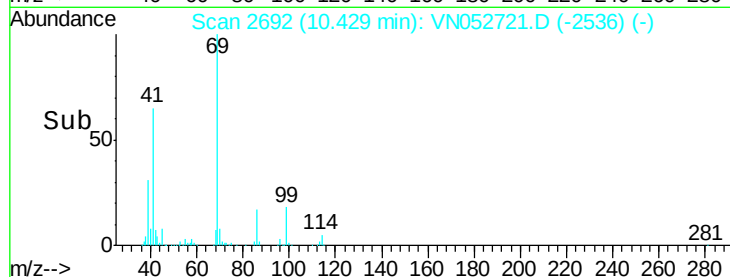
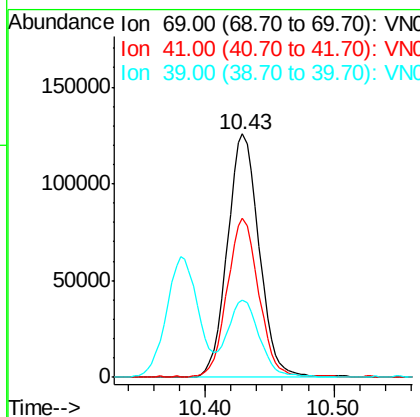
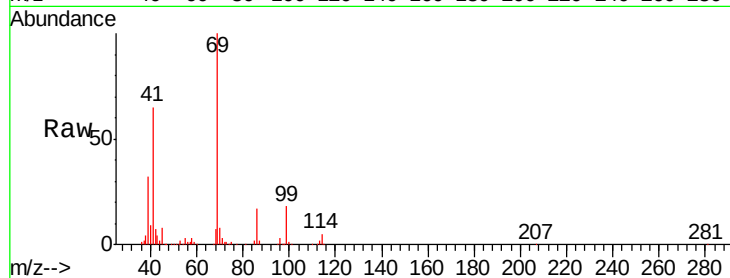
ClientSampleId :

VN1207WBS01

Tgt Ion:	69	Resp:	214686
Ion	Ratio	Lower	Upper
69	100		
41	64.8	34.4	103.3
39	31.6	16.4	49.2

Manual Integrations
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12/10/2018 12:50:36 PM



#52

1,3-Dichloropropane

Concen: 21.380 ug/l

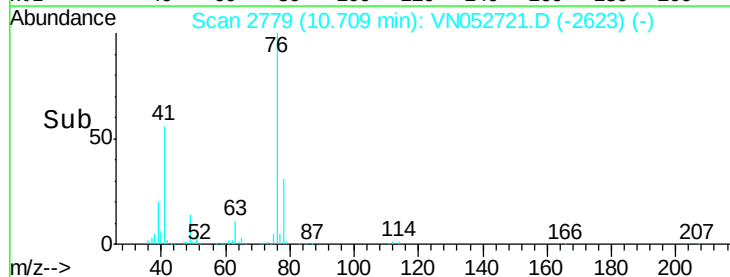
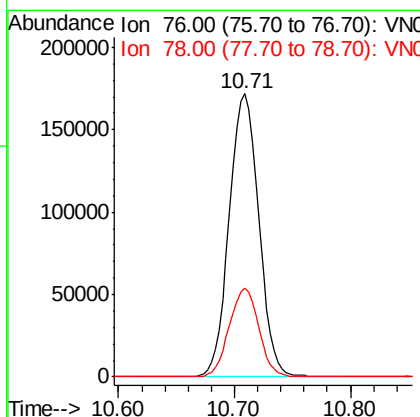
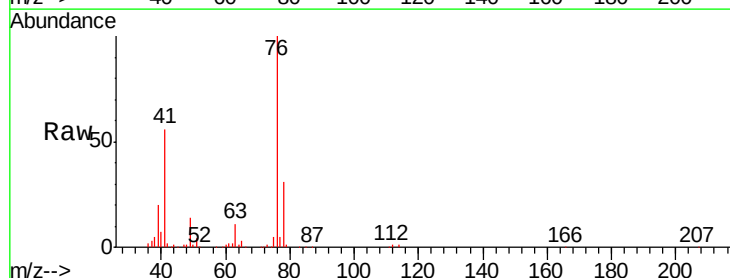
RT: 10.71 min Scan# 2779

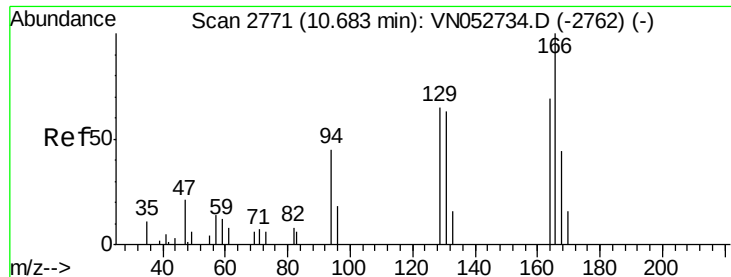
Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	76	Resp:	304523
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.8





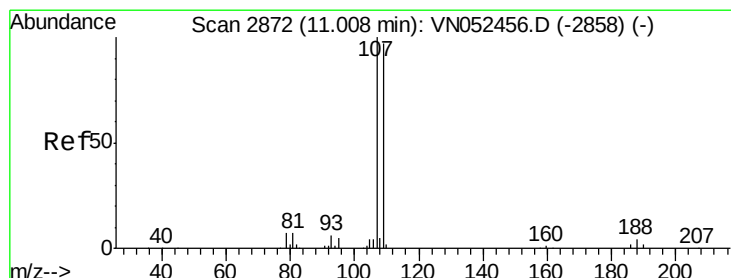
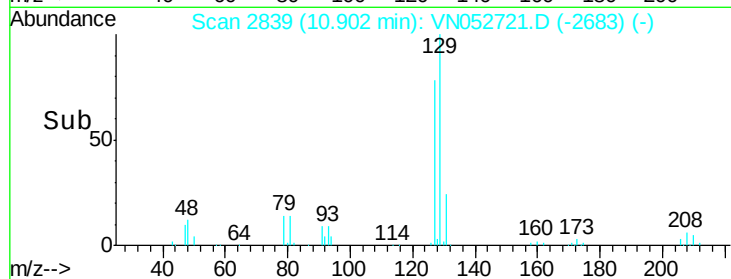
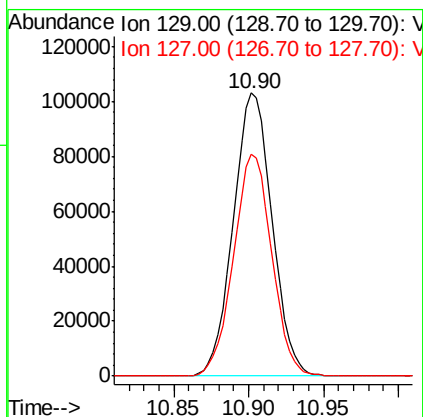
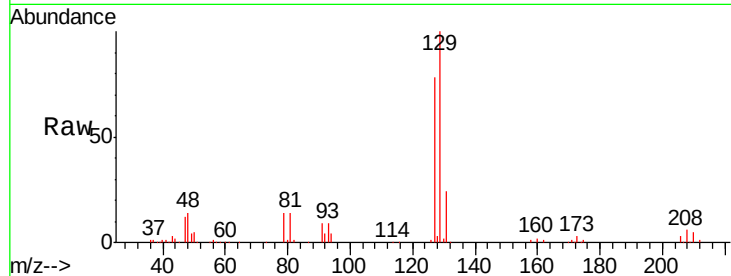
#53
 Dibromochloromethane
 Concen: 21.161 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion:129 Resp: 186420
 Ion Ratio Lower Upper
 129 100
 127 77.4 37.6 112.8

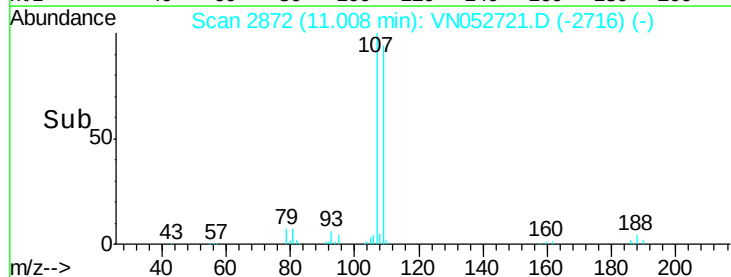
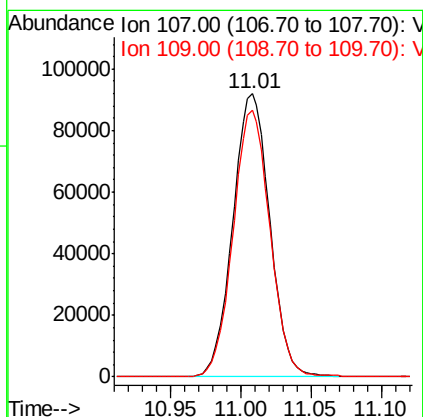
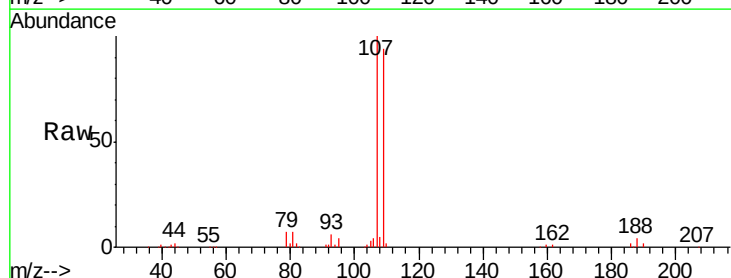
Manual Integrations
 APPROVED

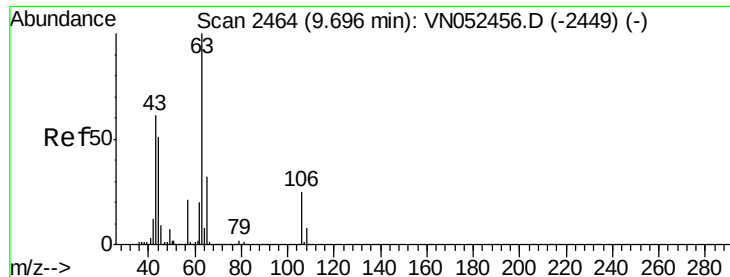
MMDadoda
 12/10/2018 12:50:36 PM



#54
 1,2-Dibromoethane
 Concen: 21.566 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion:107 Resp: 168625
 Ion Ratio Lower Upper
 107 100
 109 93.9 77.1 115.7





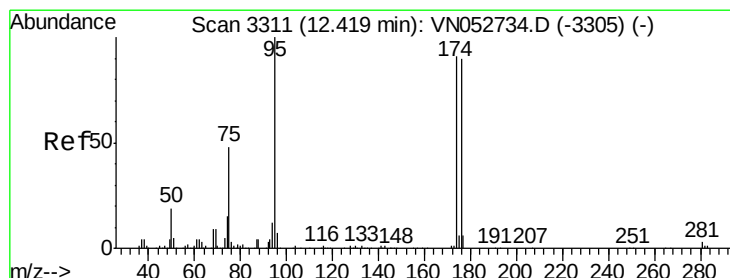
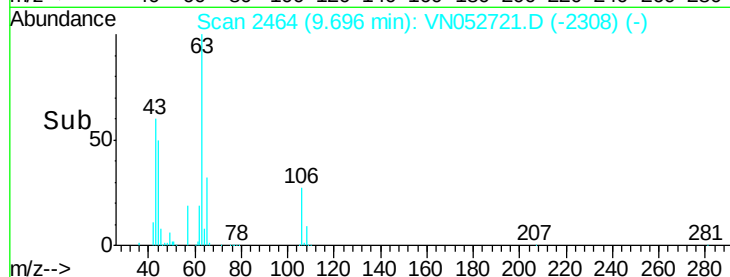
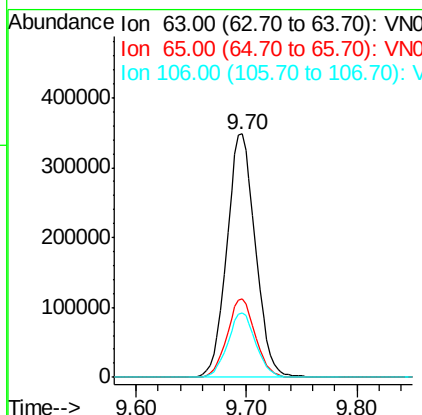
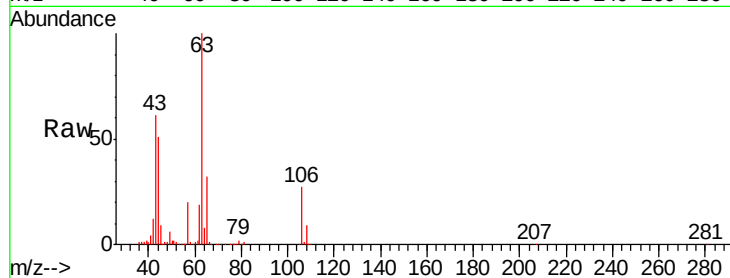
#55
 2-Chloroethyl vinyl ether
 Concen: 106.088 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.4	38.2
106	26.0	20.4	30.6

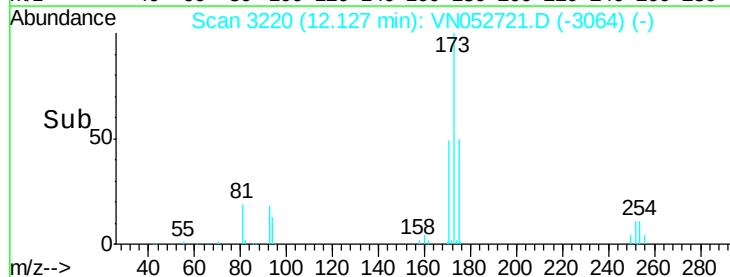
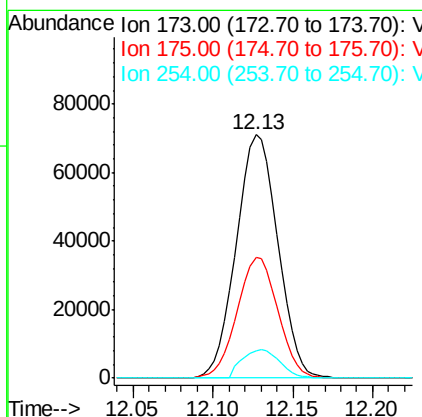
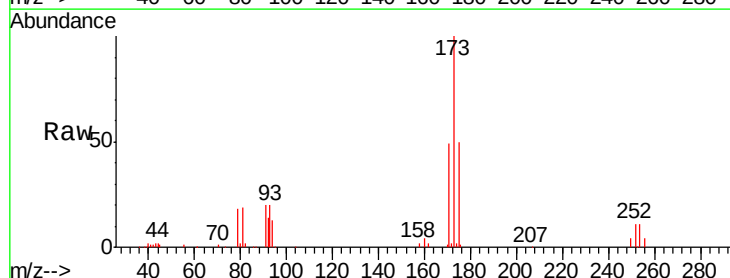
Manual Integrations
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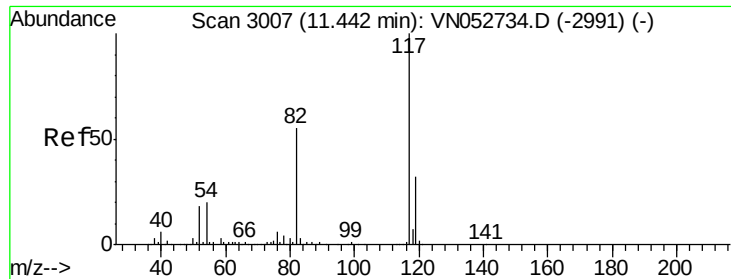
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 12/10/2018 12:50:36 PM



#56
 Bromoform
 Concen: 21.862 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	10.6	8.4	12.6





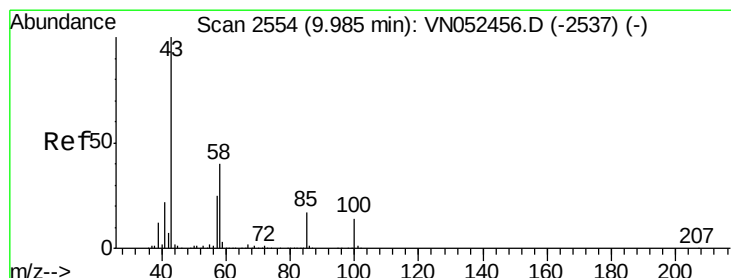
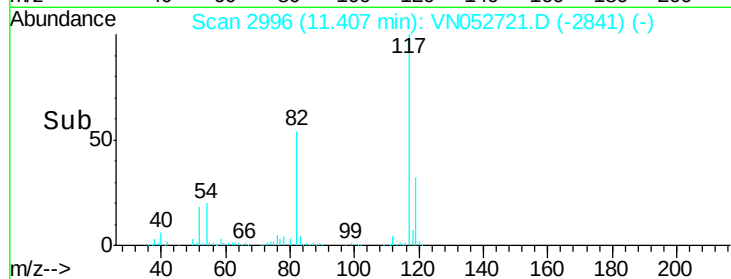
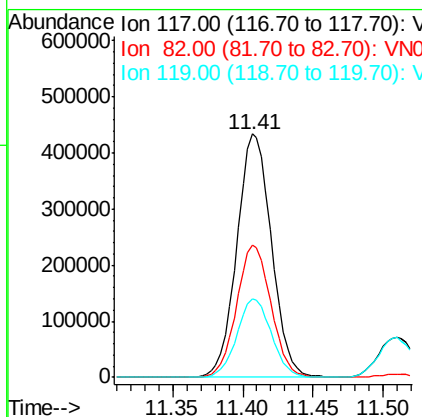
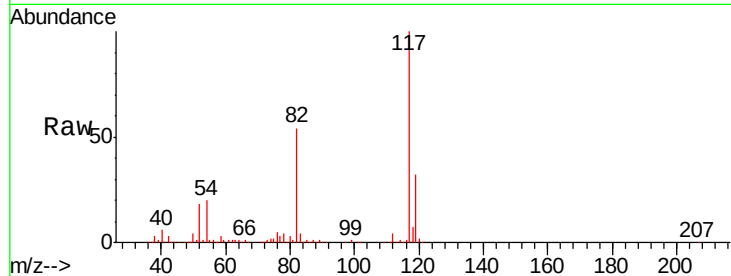
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	54.0	44.2	66.2
119	32.3	25.4	38.2

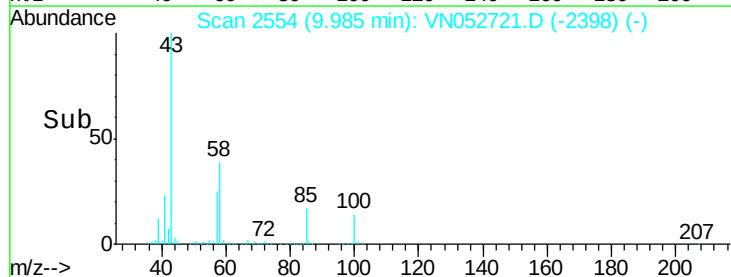
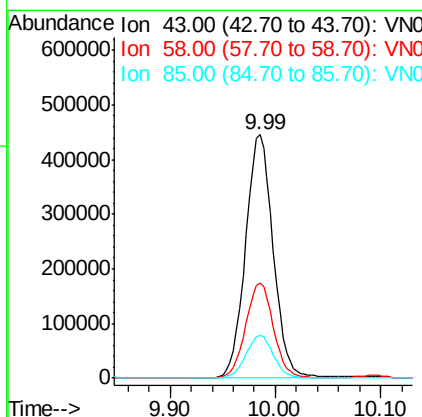
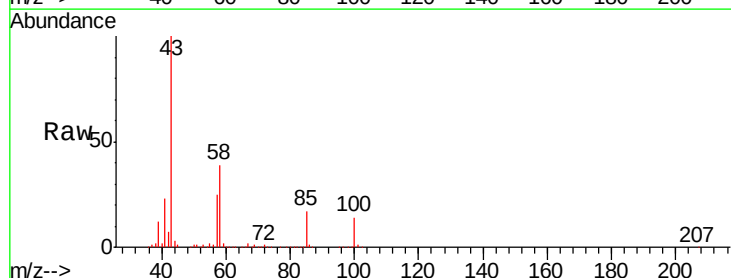
Manual Integrations
APPROVED

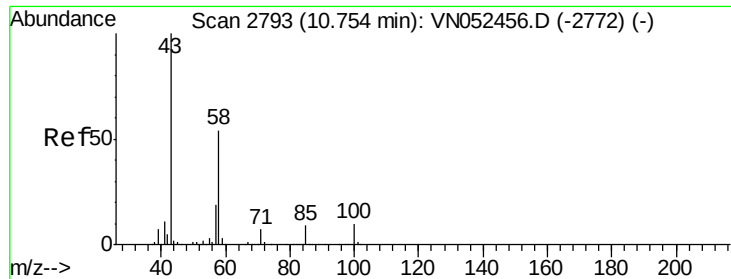
MMDadoda
12/10/2018 12:50:36 PM



#58
4-Methyl-2-Pentanone
Concen: 112.213 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	39.2	31.6	47.4
85	17.4	13.3	19.9





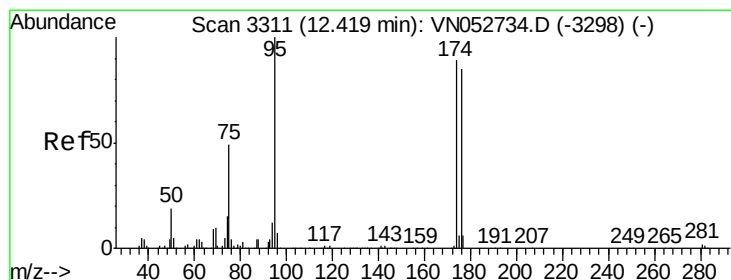
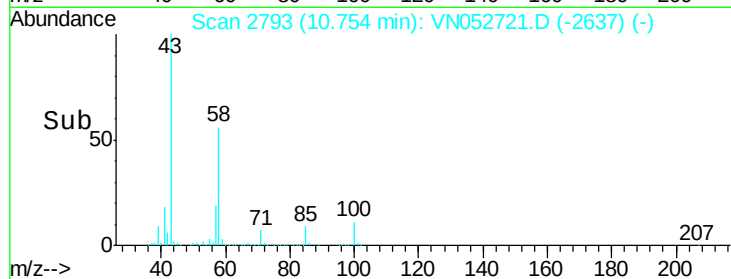
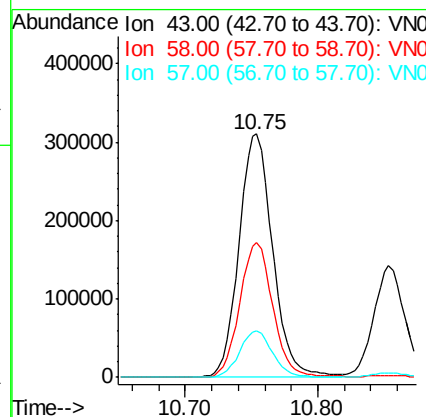
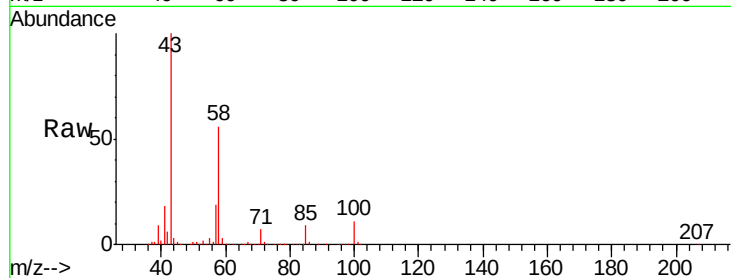
#59
2-Hexanone
Concen: 110.298 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	54.9	43.2	64.8
57	19.1	14.9	22.3

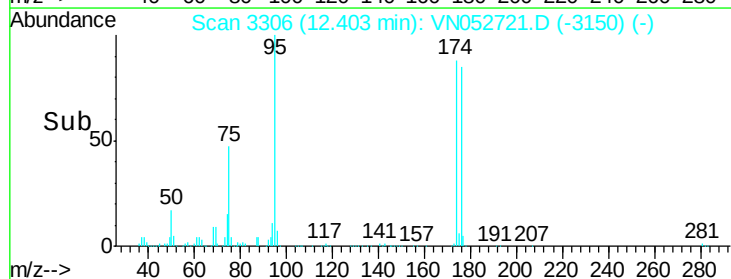
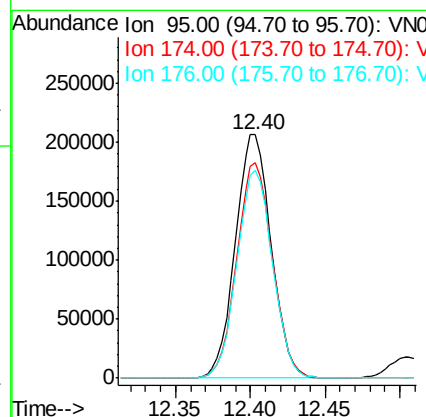
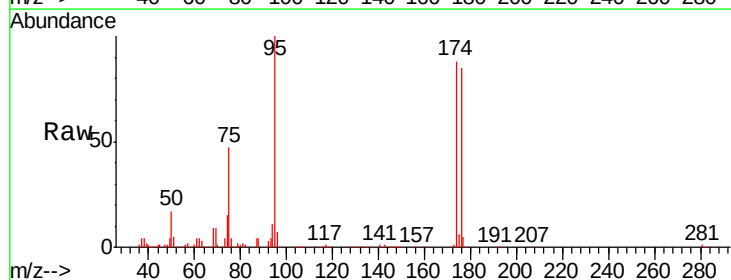
Manual Integrations
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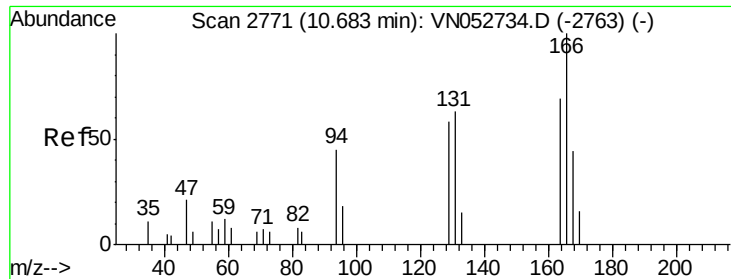
MMDadoda
12/10/2018 12:50:36 PM



#60
4-Bromofluorobenzene
Concen: 110.298 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	67.9	101.9
176	85.0	66.4	99.6





#61

Tetrachloroethene

Concen: 22.244 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 164 Resp: 204619

Ion Ratio Lower Upper

164 100

166 129.4 104.6 157.0

129 92.7 75.3 112.9

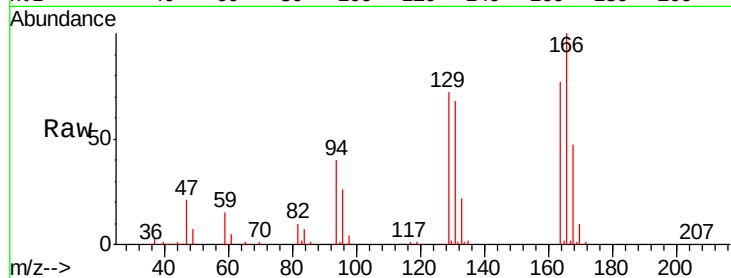
131 88.5 74.3 111.5

Manual Integrations

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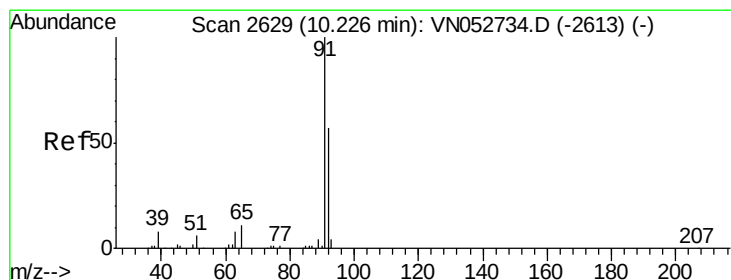
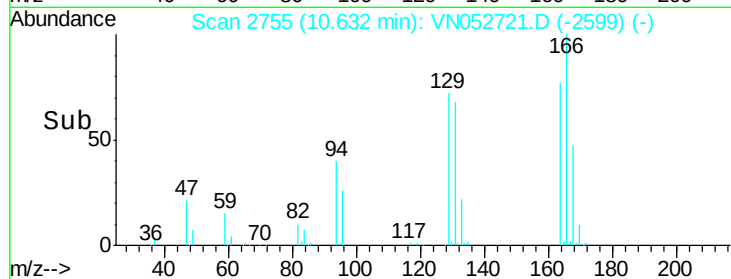
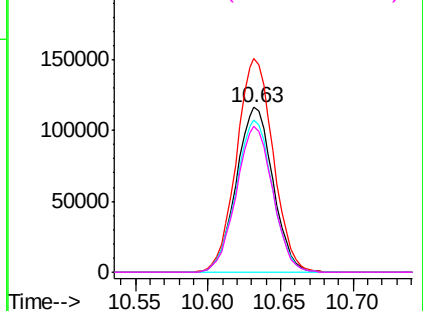


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.633 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052721.D

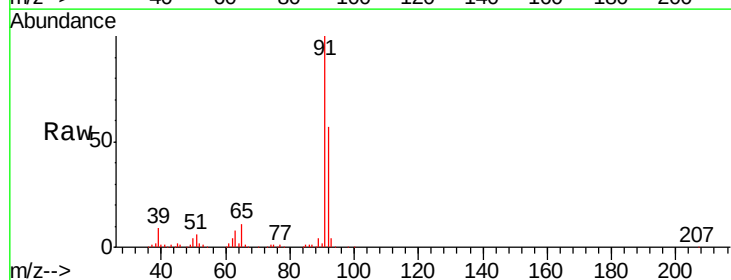
Acq: 7 Dec 2018 12:45

Tgt Ion: 91 Resp: 849540

Ion Ratio Lower Upper

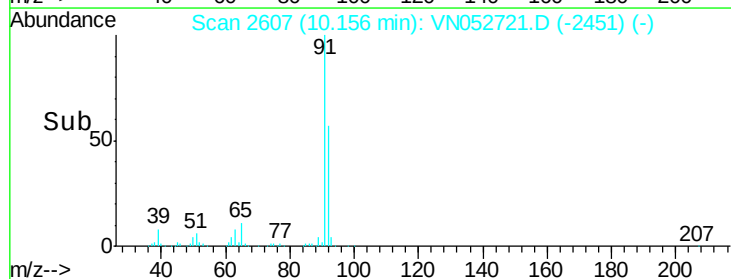
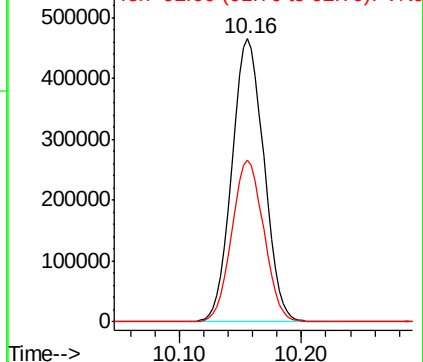
91 100

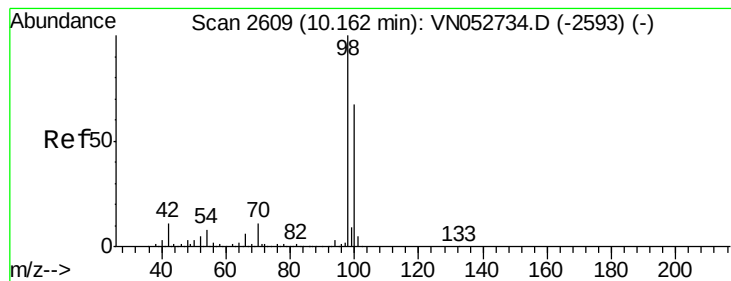
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.633 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 98 Resp: 1032942

Ion Ratio Lower Upper

98 100

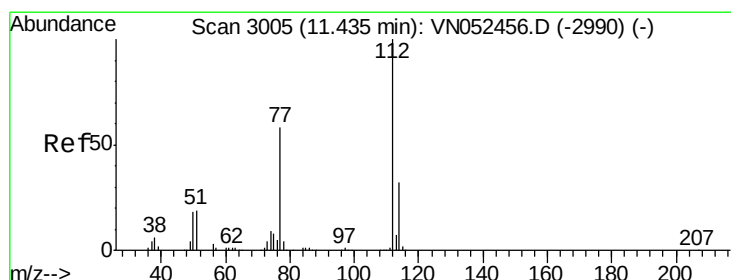
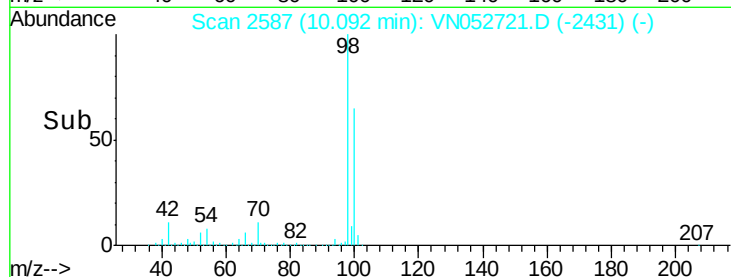
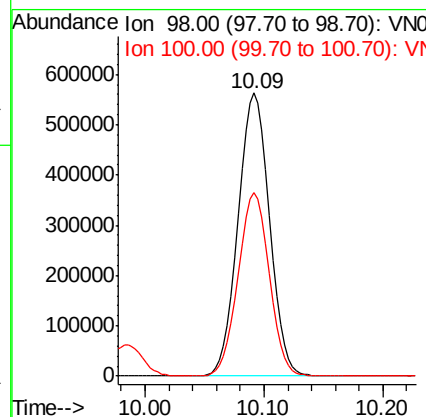
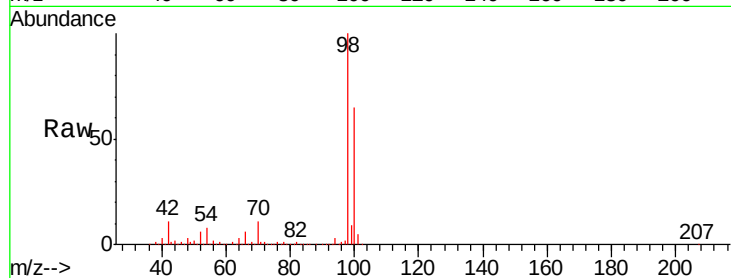
100 64.2 51.1 76.7

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#64

Chlorobenzene

Concen: 20.954 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052721.D

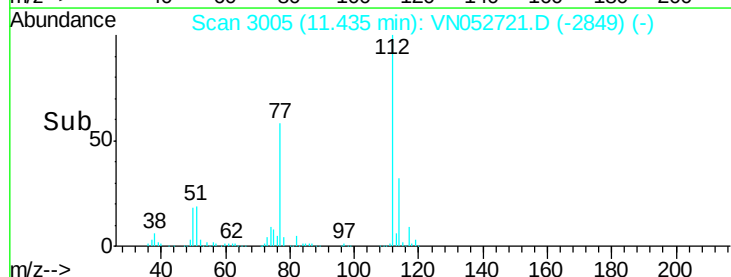
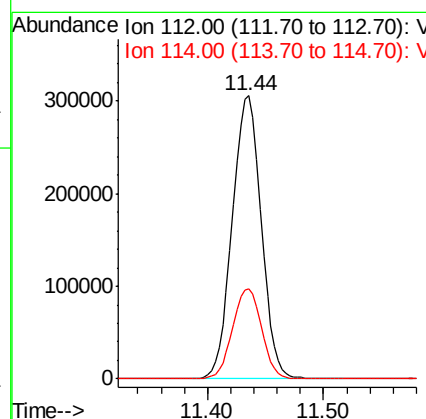
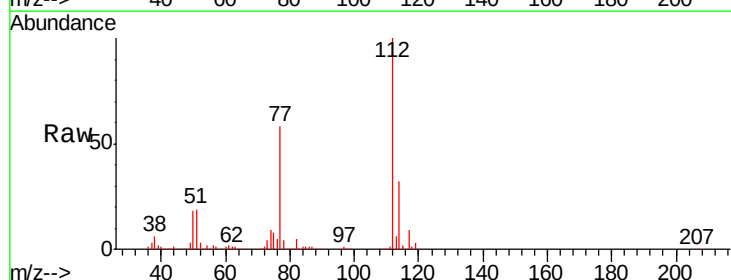
Acq: 7 Dec 2018 12:45

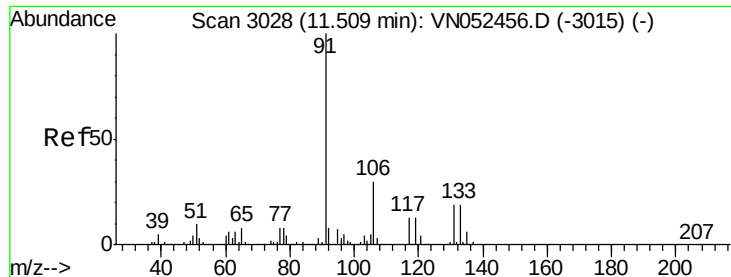
Tgt Ion: 112 Resp: 526612

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 21.031 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

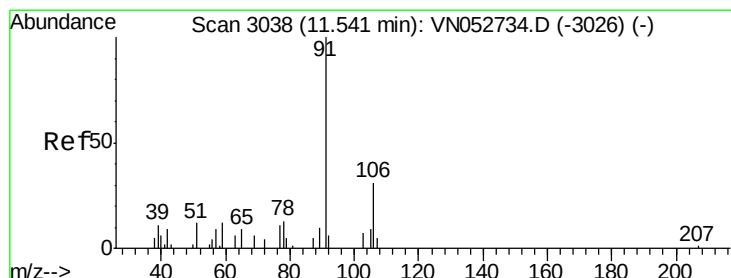
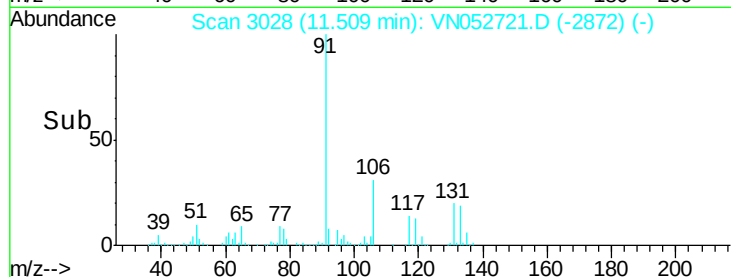
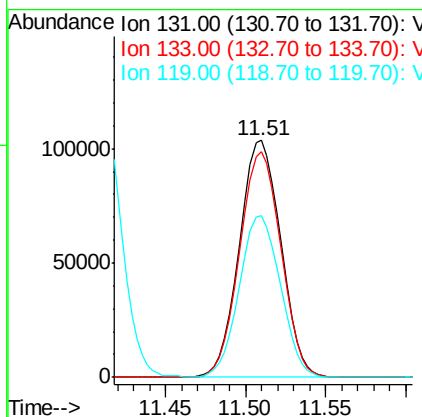
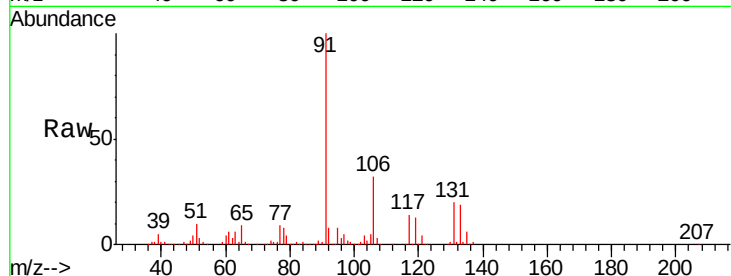
ClientSampleId :

VN1207WBS01

Tgt Ion:	131	Resp:	183465
Ion Ratio	Lower	Upper	
131	100		
133	95.2	0.0	193.4
119	67.9	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.353 ug/l

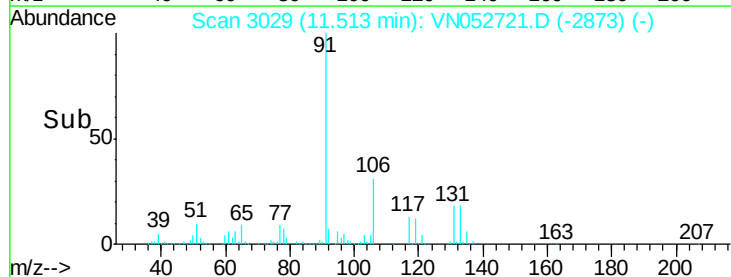
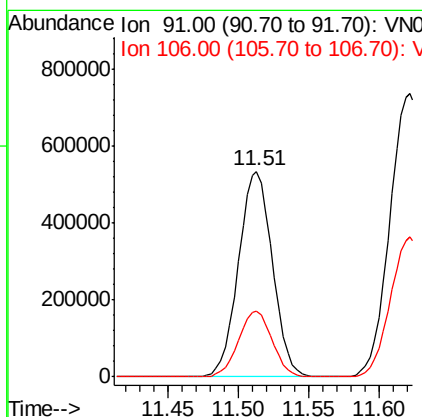
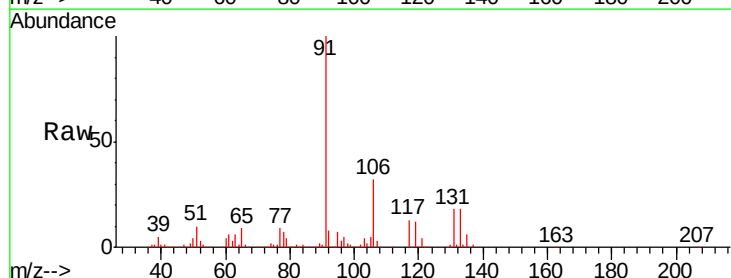
RT: 11.51 min Scan# 3029

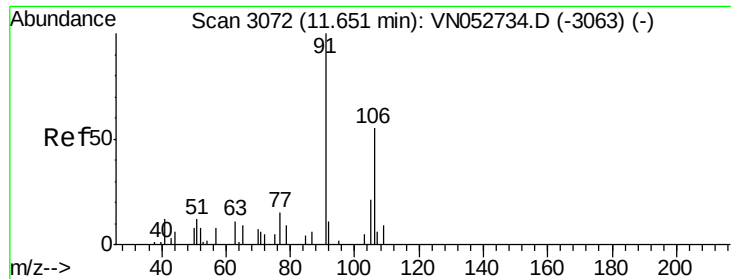
Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	91	Resp:	903206
Ion Ratio	Lower	Upper	
91	100		
106	31.8	24.3	36.5





#67

m/p-Xylenes

Concen: 41.444 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion:106 Resp: 685186

Ion Ratio Lower Upper

106 100

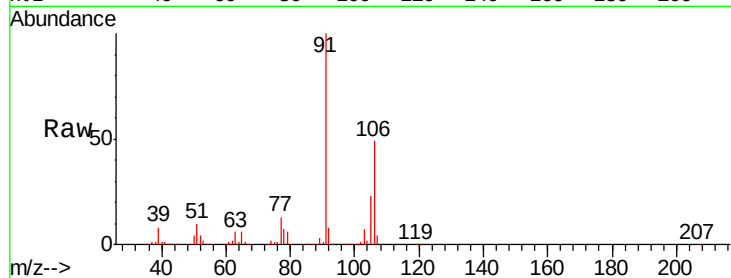
91 205.3 163.9 245.9

Manual Integrations

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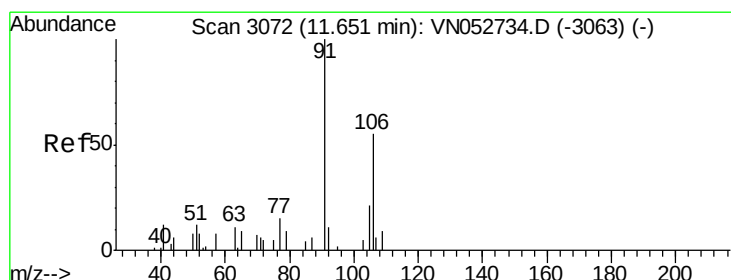
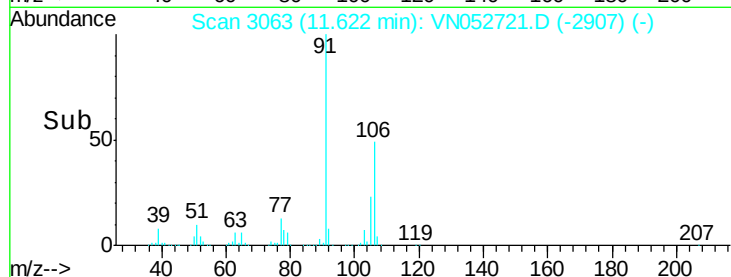
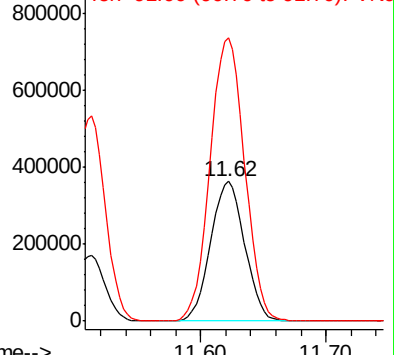
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 21.043 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052721.D

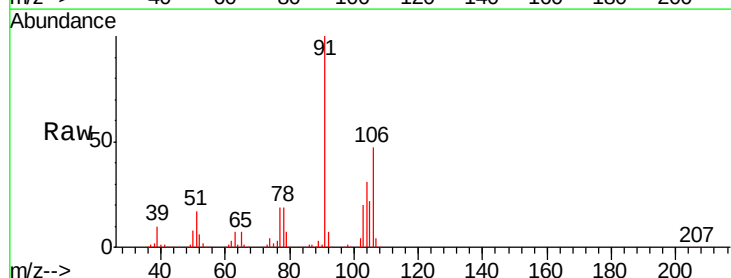
Acq: 7 Dec 2018 12:45

Tgt Ion:106 Resp: 337663

Ion Ratio Lower Upper

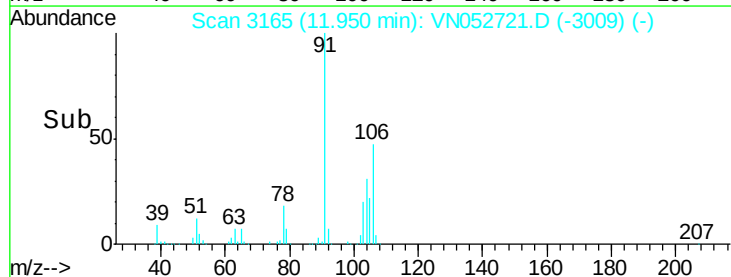
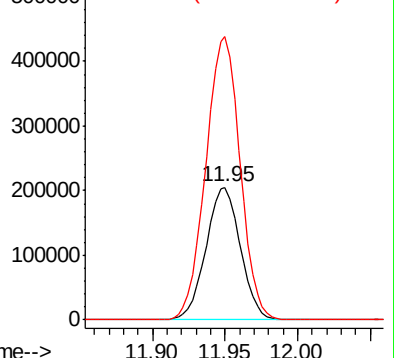
106 100

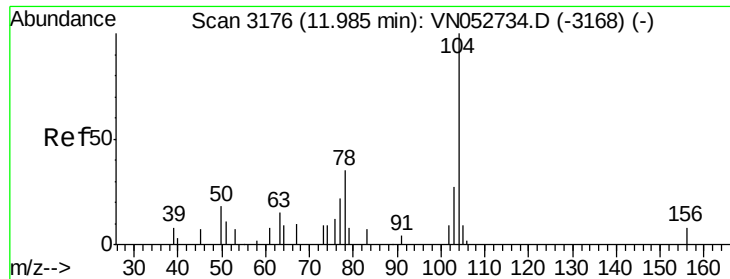
91 213.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





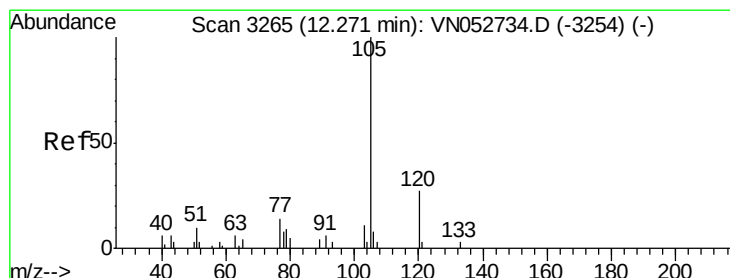
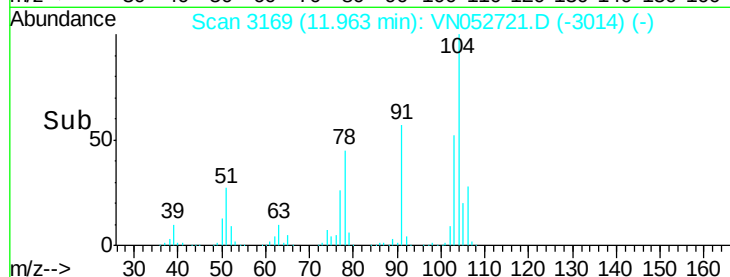
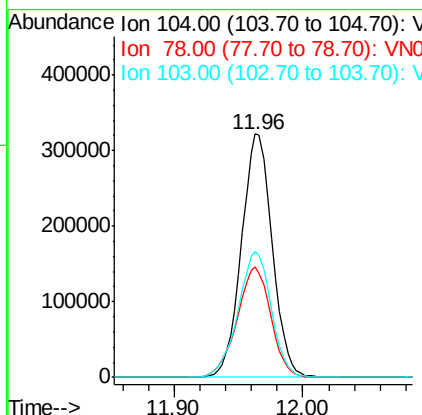
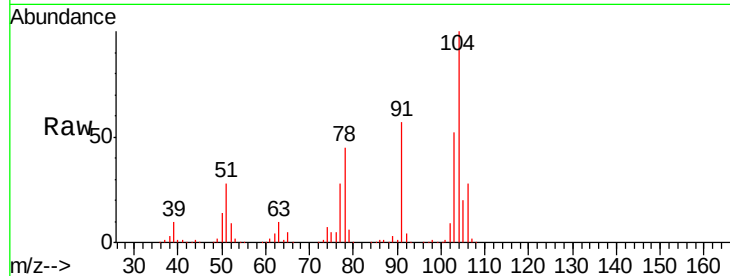
#69
Styrene
 Concen: 20.695 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.3	58.9
103	55.7	44.6	66.8

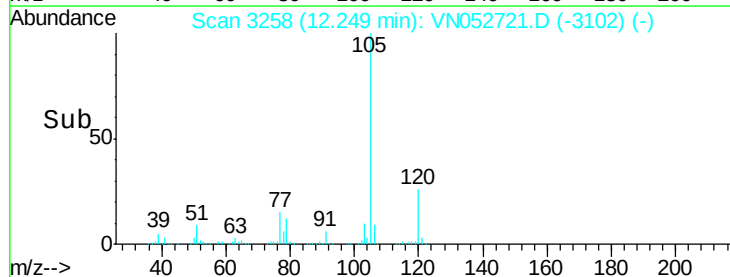
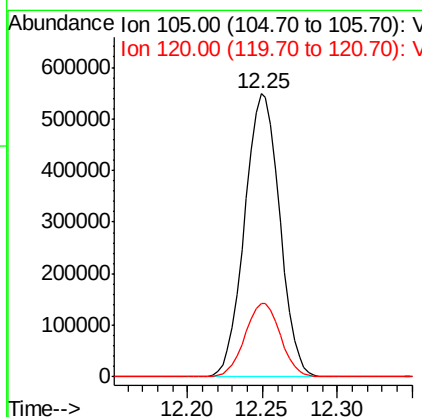
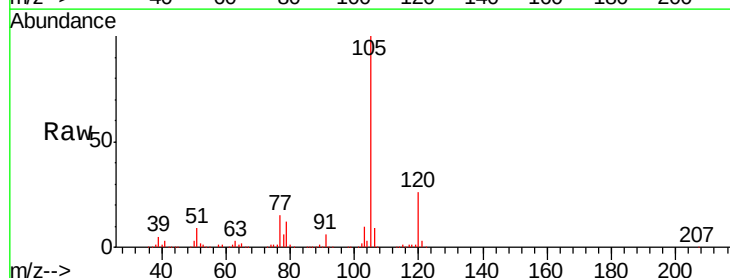
Manual Integrations
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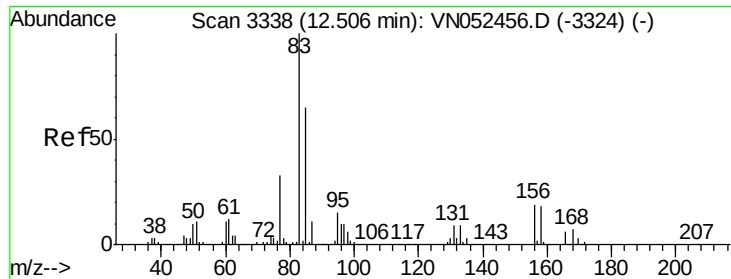
MMDadoda
 12/10/2018 12:50:36 PM



#70
Isopropylbenzene
 Concen: 20.978 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.6





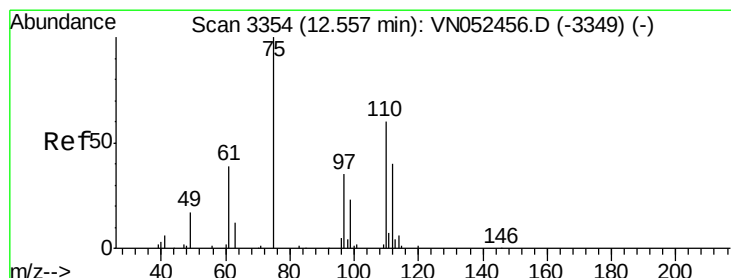
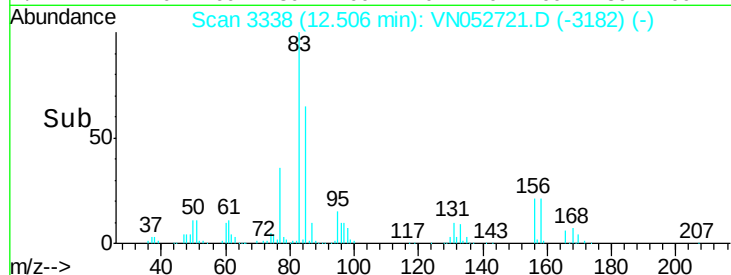
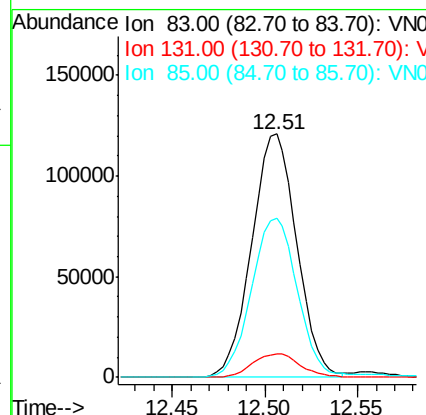
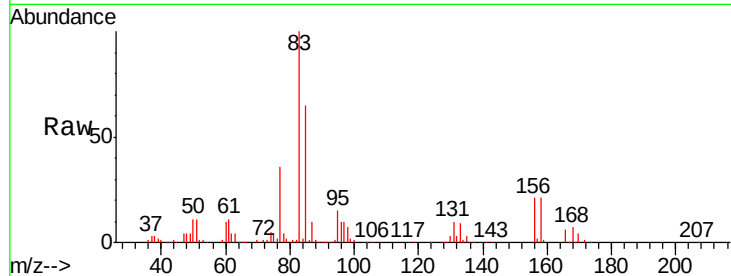
#71
 1,1,2,2-Tetrachloroethane
 Concen: 22.118 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
131	10.4	4.9	14.6
85	66.8	32.2	96.6

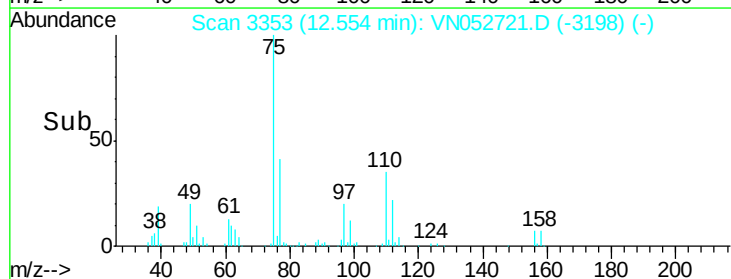
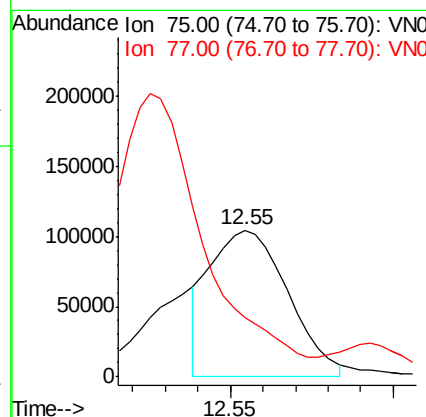
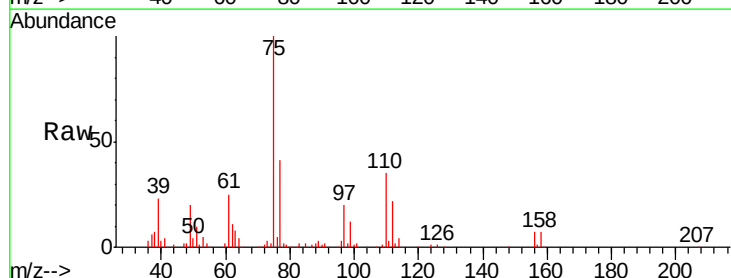
Manual Integrations
 APPROVED

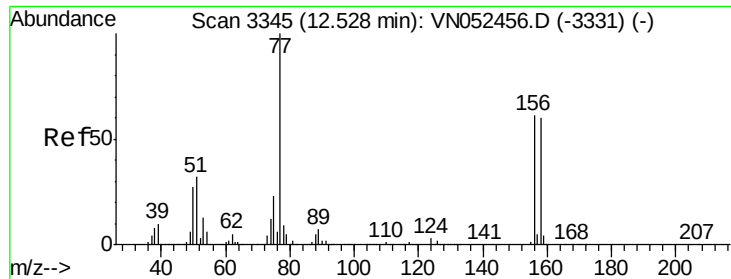
MMDadoda
 12/10/2018 12:50:36 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.860 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	232.2	0.0	514.8





#73

Bromobenzene

Concen: 21.570 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

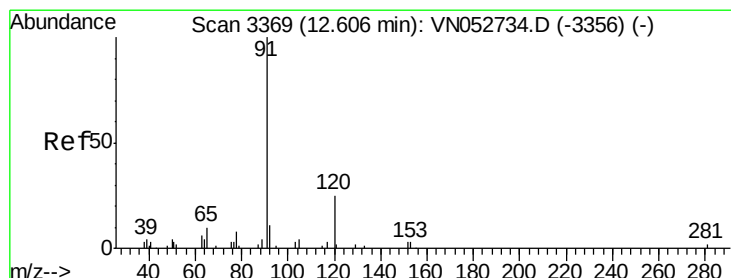
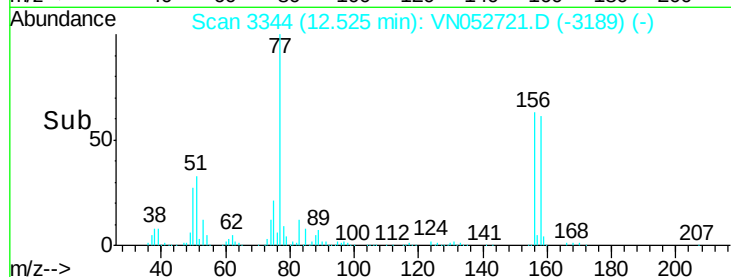
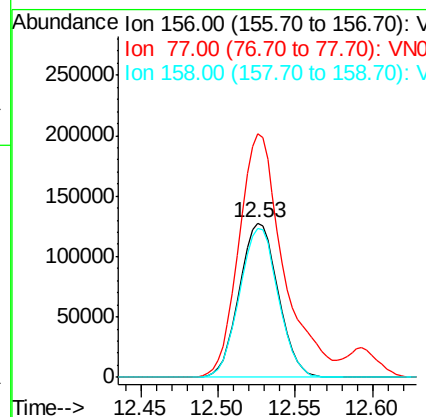
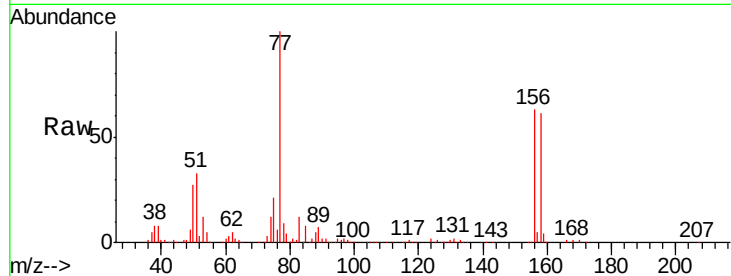
ClientSampleId :

VN1207WBS01

Tgt Ion:	156	Resp:	222732
Ion Ratio	Lower	Upper	
156	100		
77	181.7	0.0	382.6
158	96.4	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 20.408 ug/l

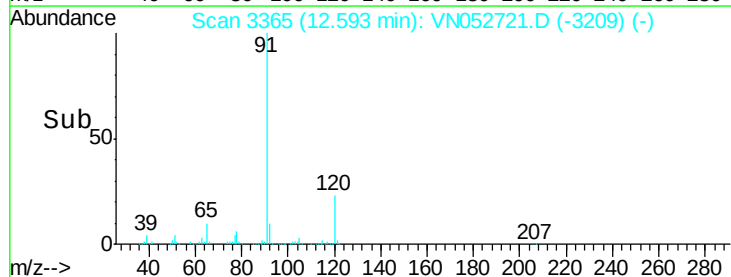
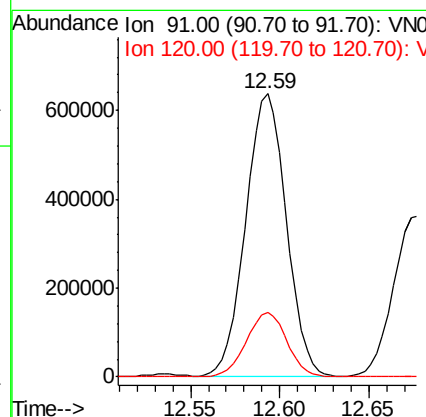
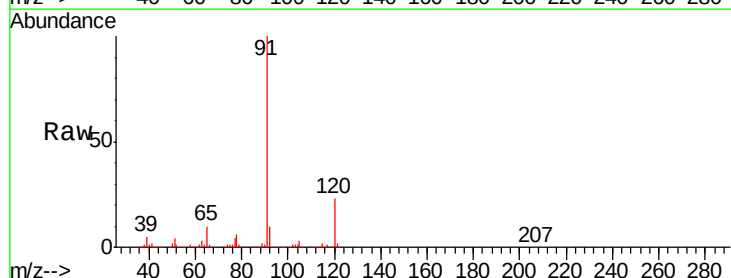
RT: 12.59 min Scan# 3365

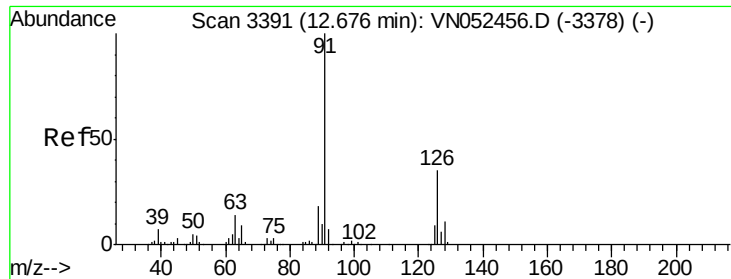
Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	91	Resp:	1015207
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	44.6





#75

2-Chlorotoluene

Concen: 20.793 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS01

Tgt Ion: 91 Resp: 600379

Ion Ratio Lower Upper

91 100

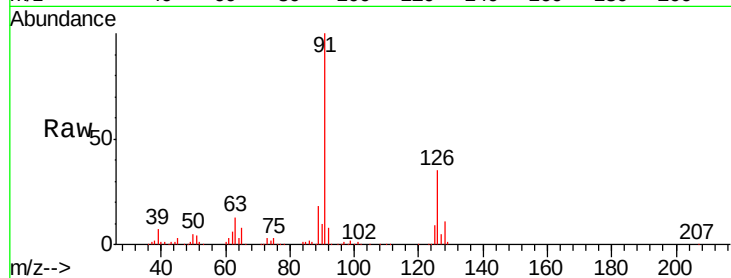
126 34.6 0.0 68.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052721.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN052721.D (-3235) (-)

600000

400000

200000

0

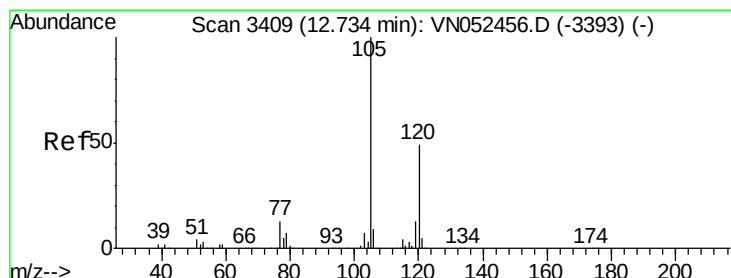
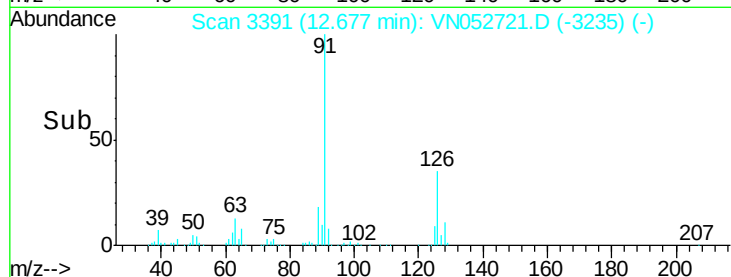
12.68

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 21.055 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052721.D

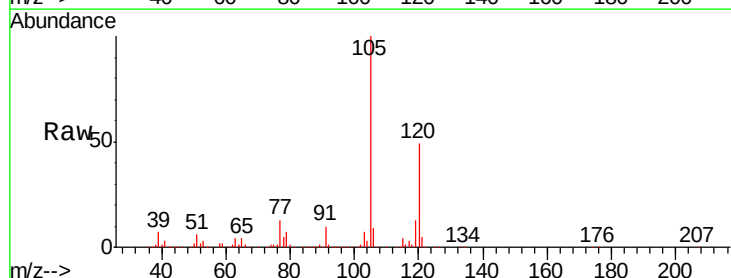
Acq: 7 Dec 2018 12:45

Tgt Ion: 105 Resp: 726074

Ion Ratio Lower Upper

105 100

120 49.1 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052721.D (-3253) (-)

Ion 120.00 (119.70 to 120.70): VN052721.D (-3253) (-)

500000

400000

300000

200000

100000

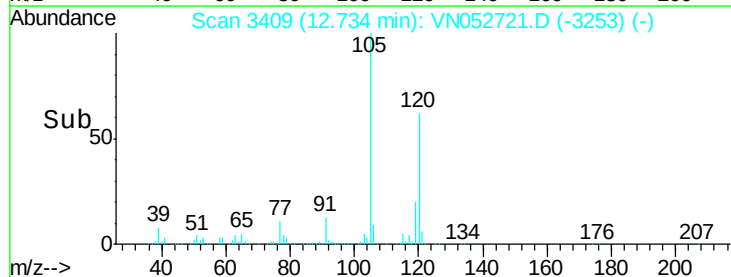
0

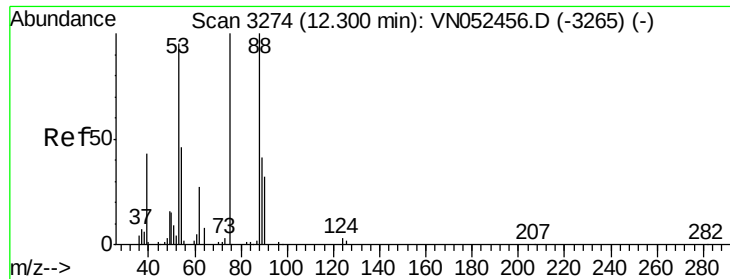
12.73

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 21.049 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

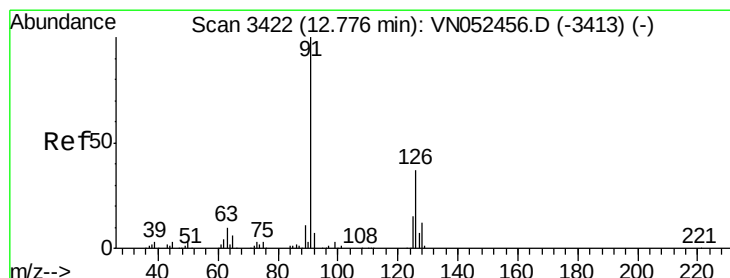
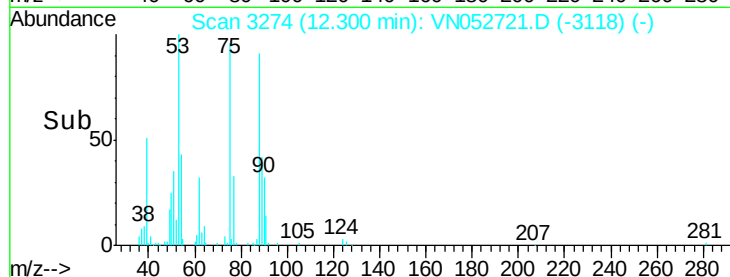
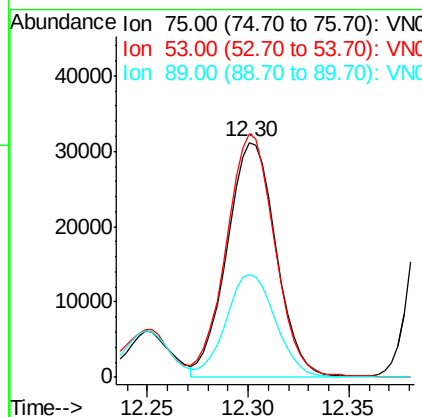
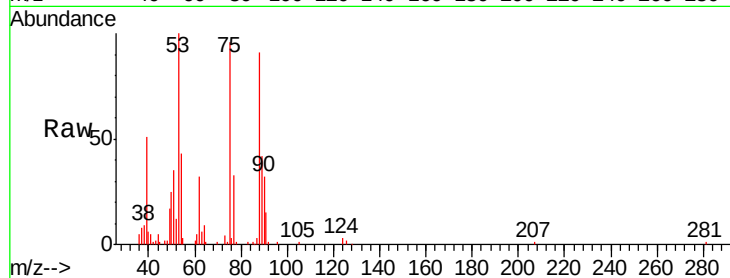
ClientSampleId :

VN1207WBS01

Tgt Ion:	75	Resp:	53012
Ion	Ratio	Lower	Upper
75	100		
53	103.1	48.5	145.6
89	44.2	21.7	65.1

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#78

4-Chlorotoluene

Concen: 20.397 ug/l

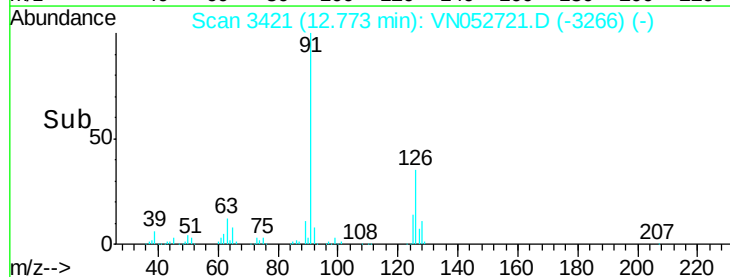
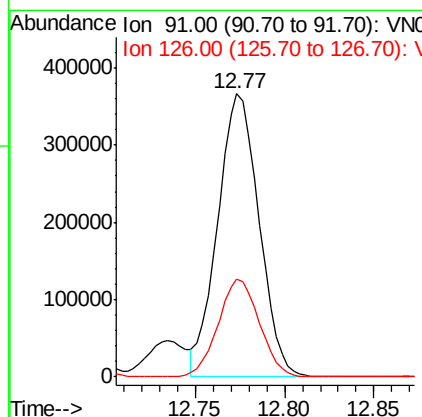
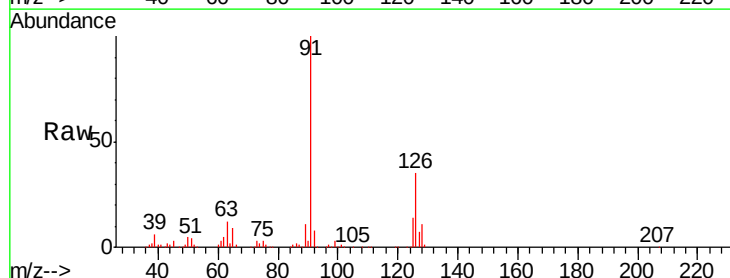
RT: 12.77 min Scan# 3421

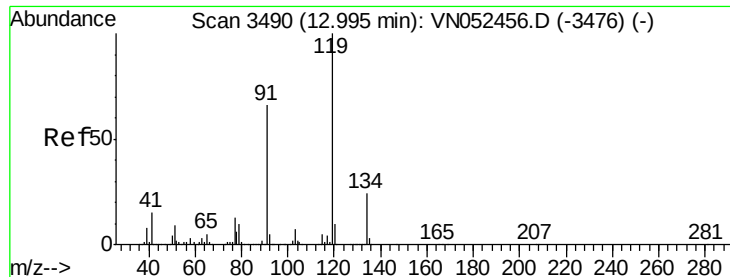
Delta R.T. -0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	91	Resp:	588145
Ion	Ratio	Lower	Upper
91	100		
126	34.6	0.0	68.2





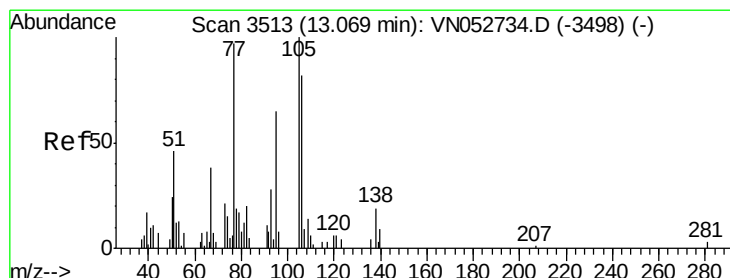
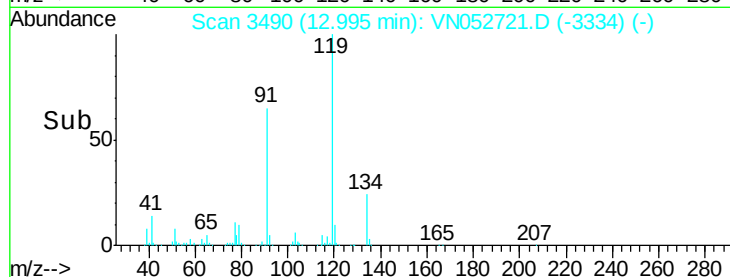
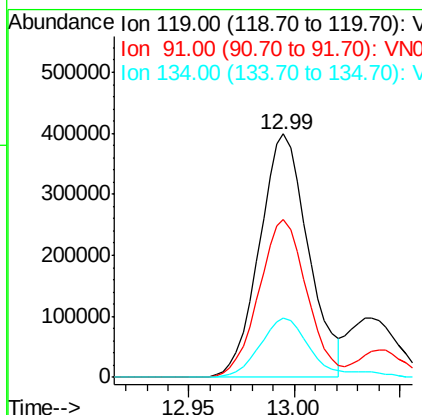
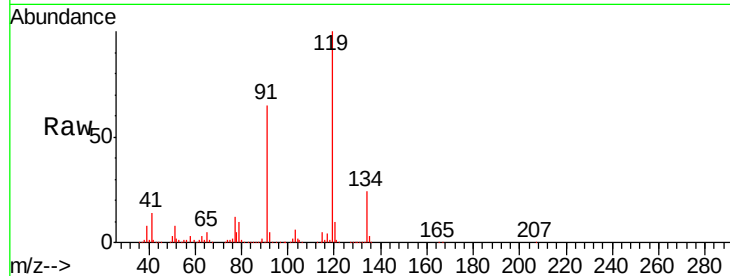
#79
tert-butylbenzene
Concen: 21.412 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	643056		
91	63.9	0.0	129.8	
134	24.5	0.0	52.2	

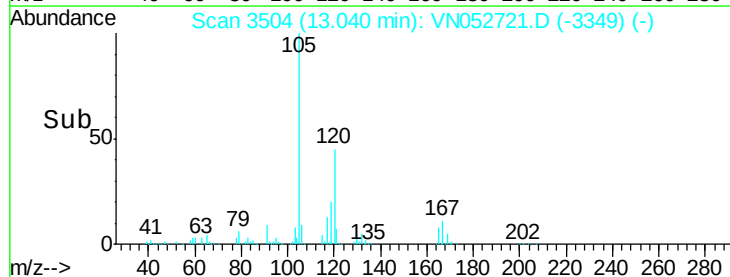
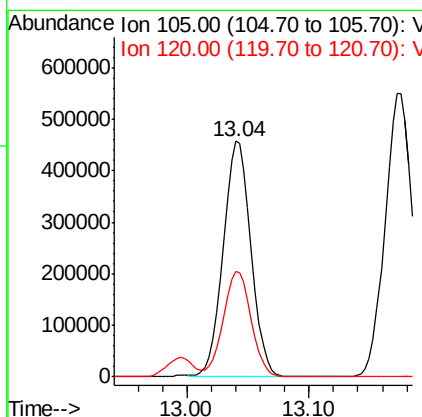
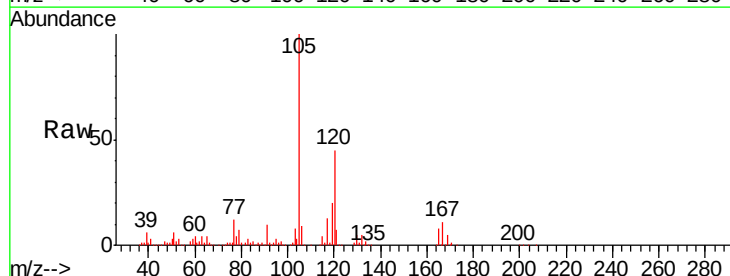
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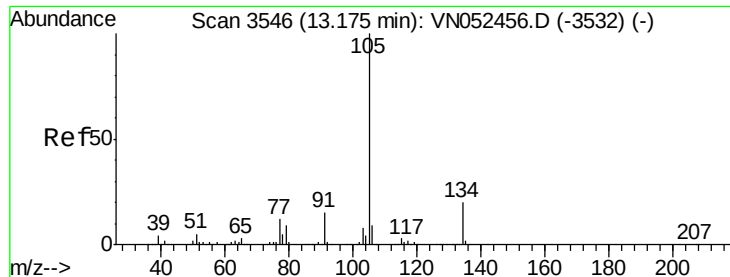
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#80
1,2,4-Trimethylbenzene
Concen: 21.142 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	729519		
120	45.4	0.0	91.0	





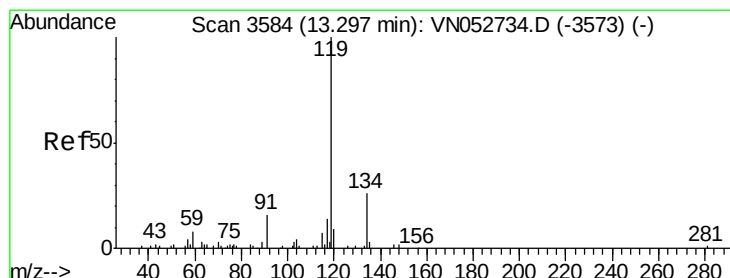
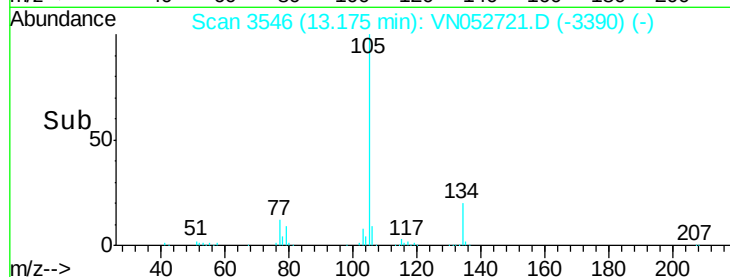
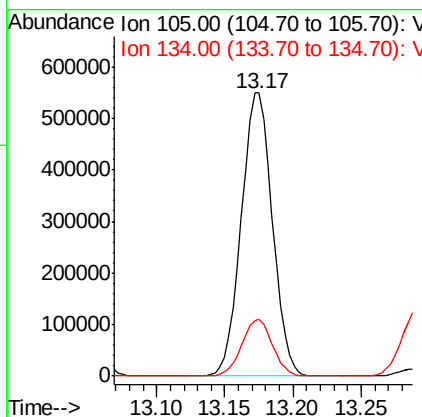
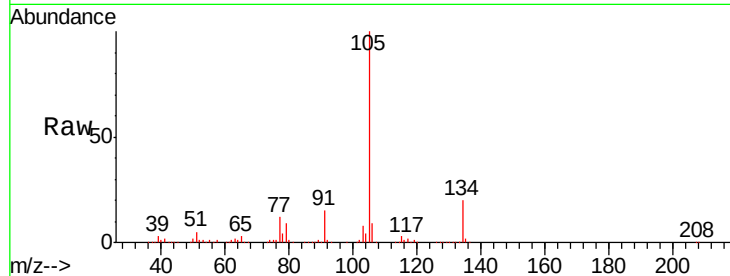
#81
 sec-Butylbenzene
 Concen: 20.779 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.8	0.0	40.4

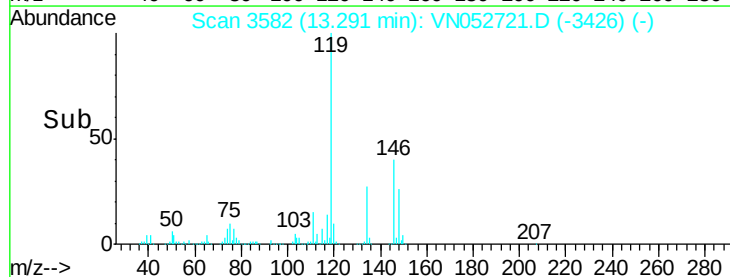
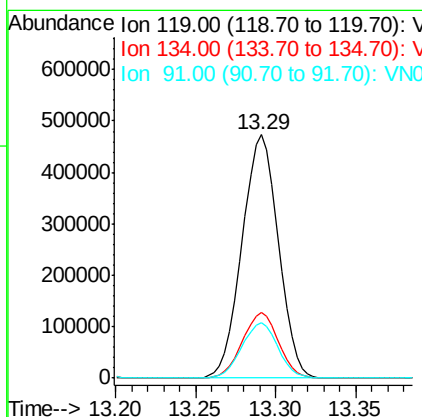
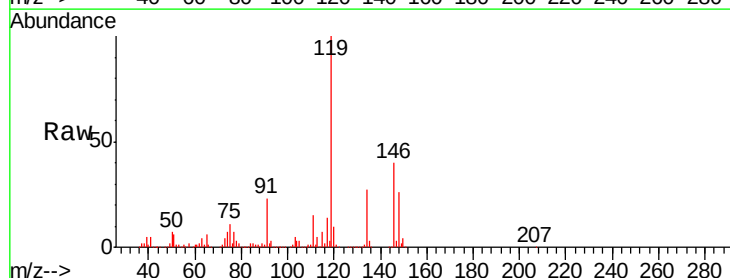
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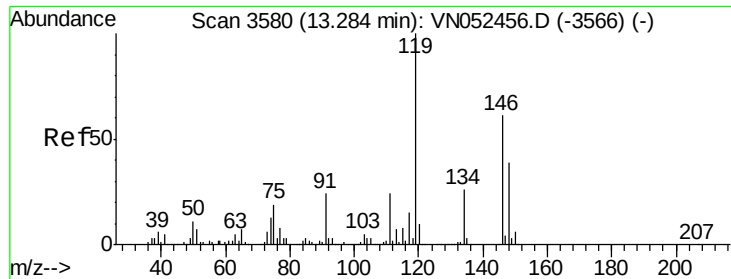
MMDadoda
 12/10/2018 12:50:36 PM



#82
 p-Isopropyltoluene
 Concen: 20.624 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	52.6
91	22.7	0.0	46.2





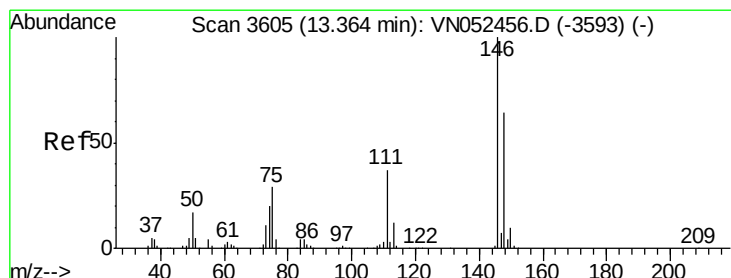
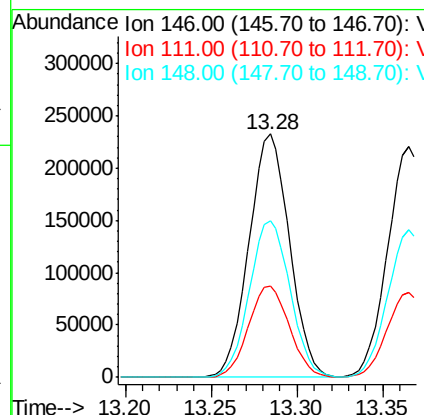
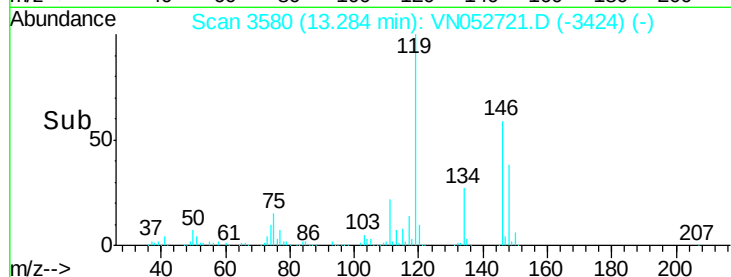
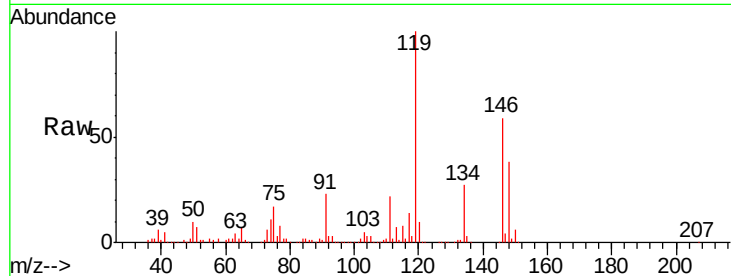
#83
 1,3-Dichlorobenzene
 Concen: 20.970 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.7	59.0
148	64.5	32.3	96.8

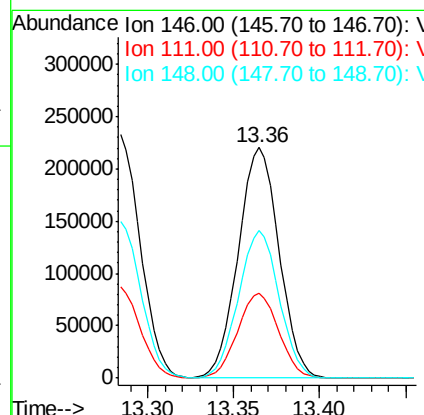
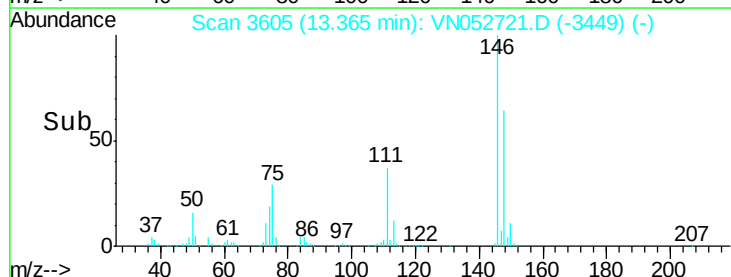
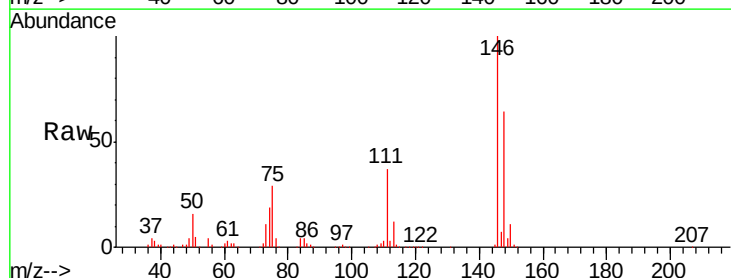
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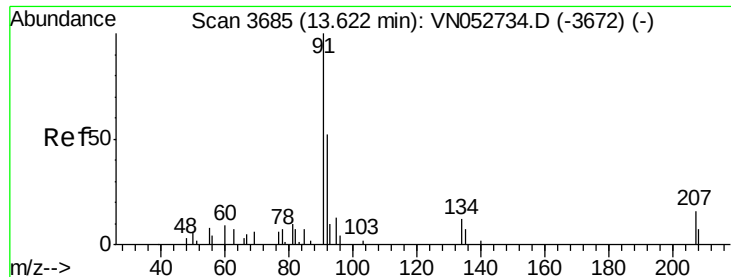
MMDadoda
 12/10/2018 12:50:36 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.647 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	64.0	32.5	97.4





#85

n-Butylbenzene

Concen: 19.185 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Instrument :

MSVOA_N

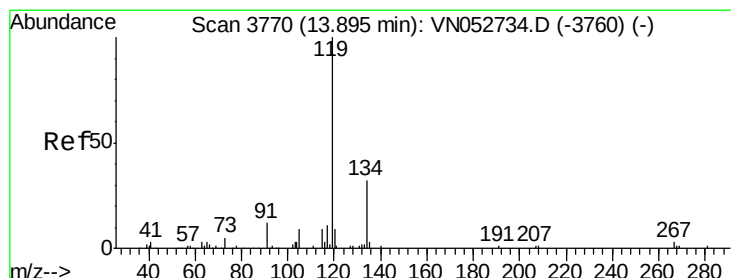
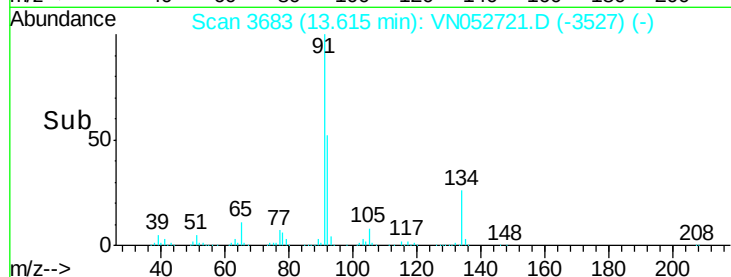
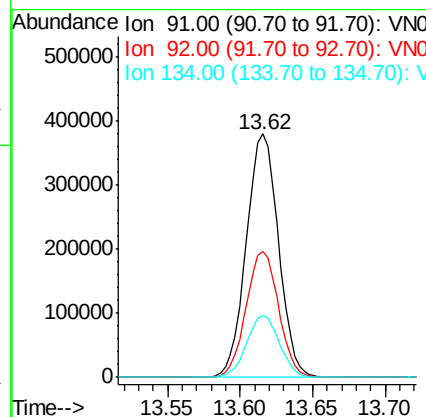
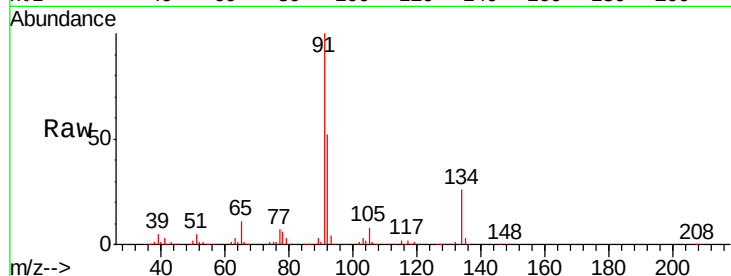
ClientSampleId :

VN1207WBS01

Tgt Ion:	91	Resp:	586987
Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	104.2
134	25.8	0.0	50.6

Manual Integrations
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#86

Hexachloroethane

Concen: 20.064 ug/l

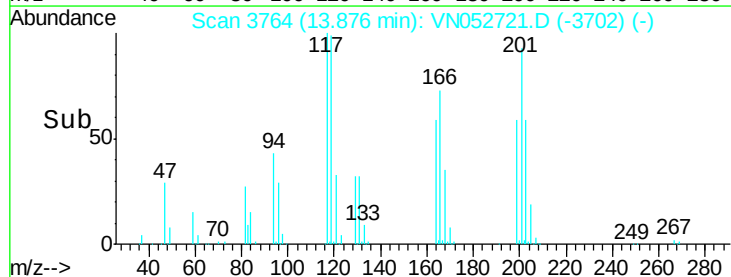
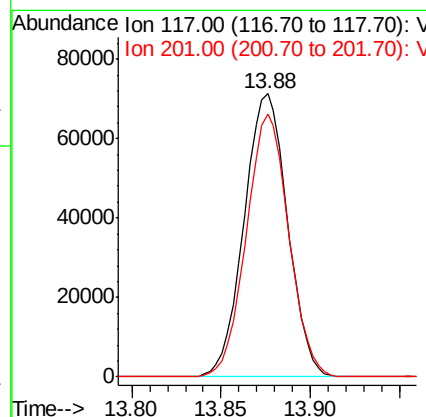
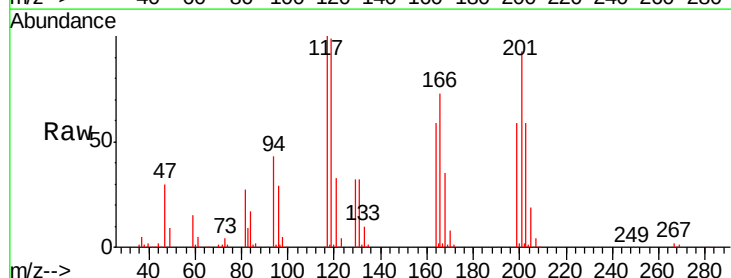
RT: 13.88 min Scan# 3764

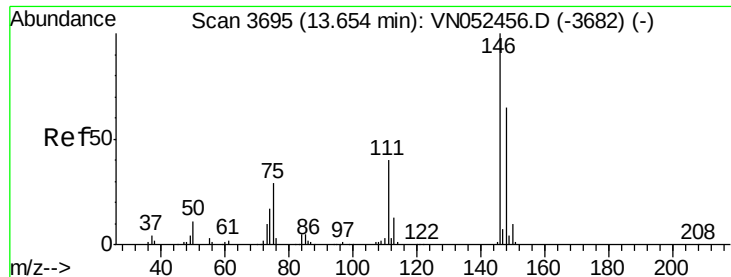
Delta R.T. 0.00 min

Lab File: VN052721.D

Acq: 7 Dec 2018 12:45

Tgt Ion:	117	Resp:	121090
Ion	Ratio	Lower	Upper
117	100		
201	90.6	43.8	131.3





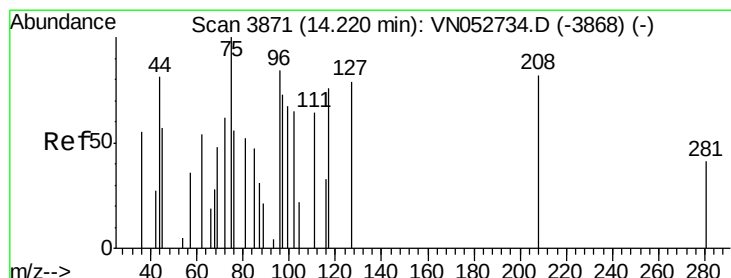
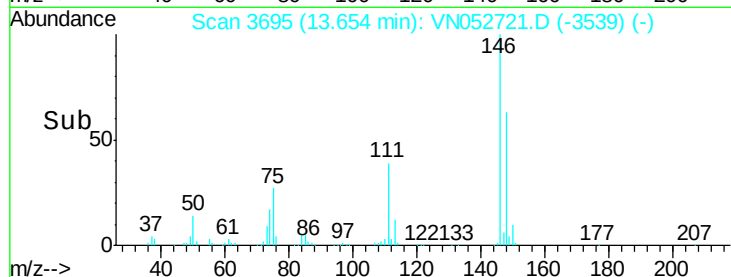
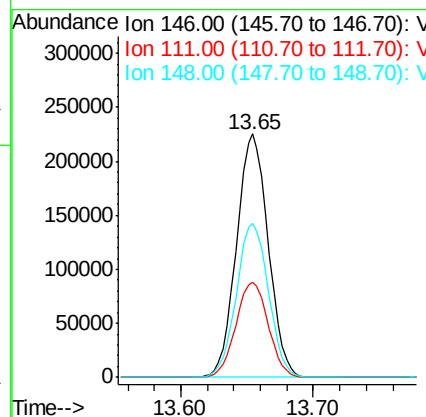
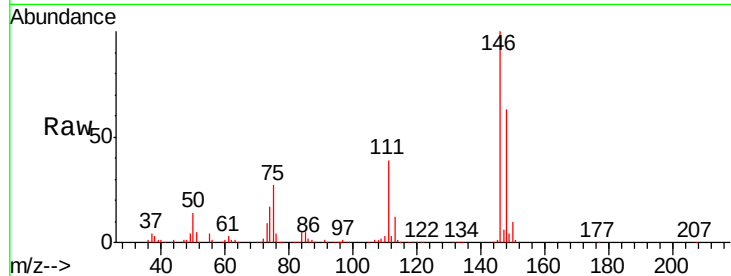
#87
 1,2-Dichlorobenzene
 Concen: 21.605 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	373375		
111	40.0	20.3	60.8	
148	64.0	32.1	96.5	

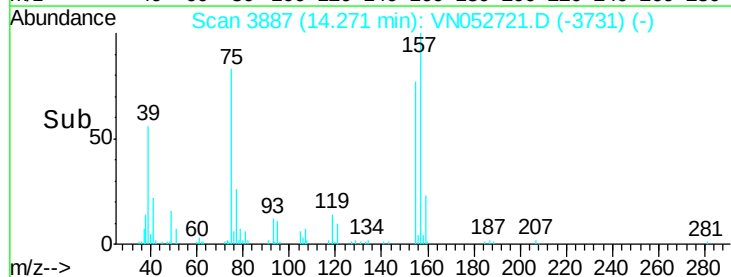
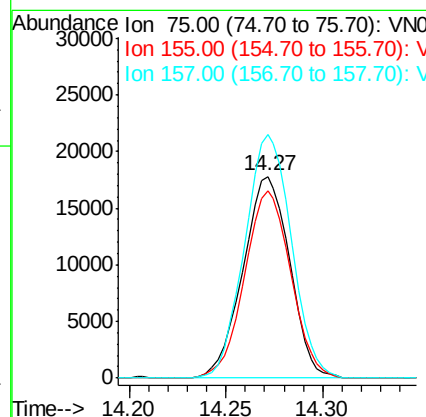
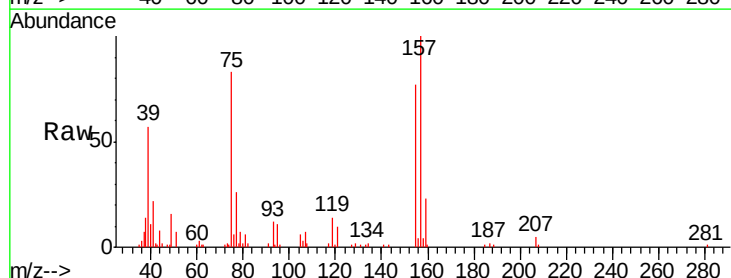
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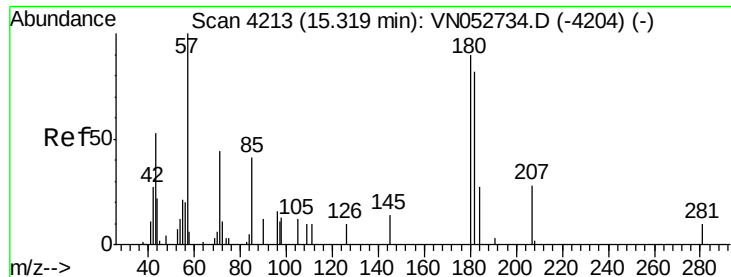
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.955 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29863		
155	91.9	72.2	108.2	
157	121.2	94.2	141.2	





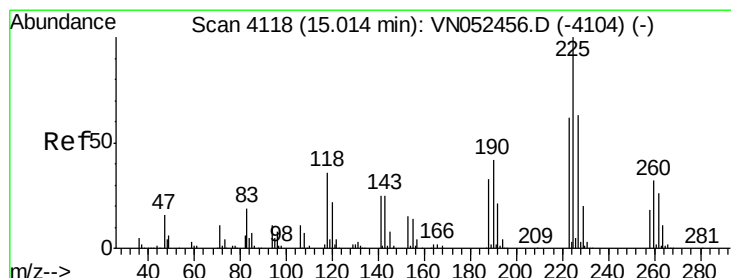
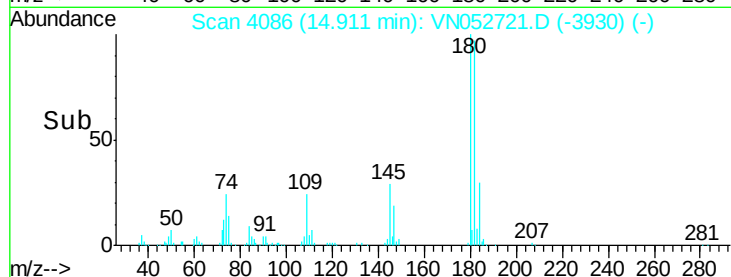
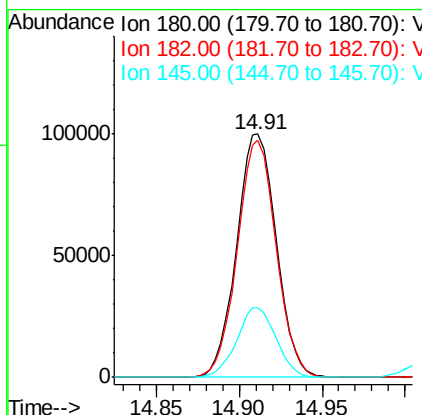
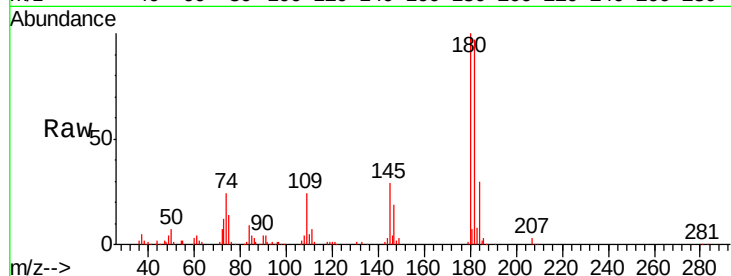
#89
 1,2,4-Trichlorobenzene
 Concen: 19.561 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	166558		
182	95.2	76.6	114.8	
145	28.4	23.6	35.4	

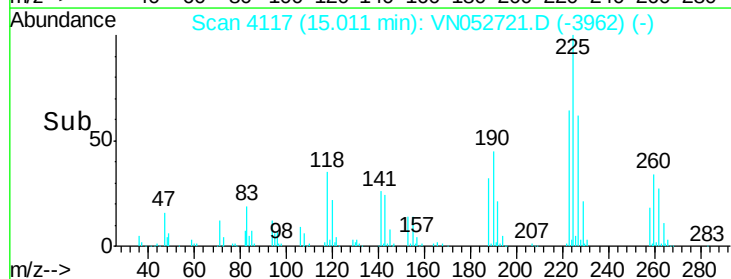
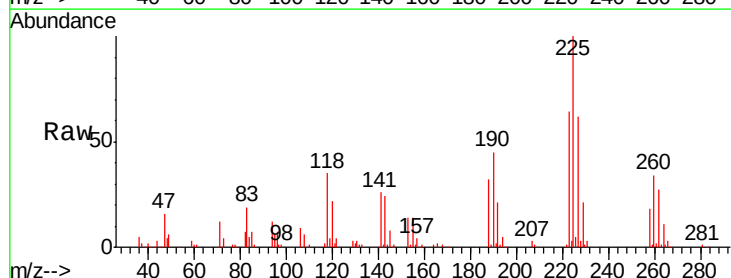
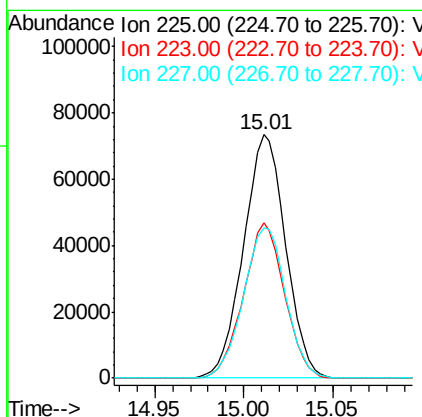
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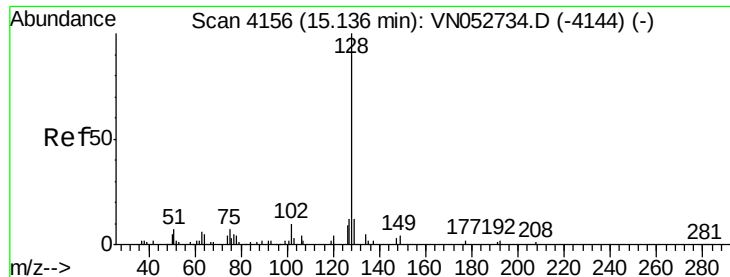
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#90
 Hexachlorobutadiene
 Concen: 21.641 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052721.D
 Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120874		
223	62.0	0.0	125.6	
227	62.2	0.0	127.8	





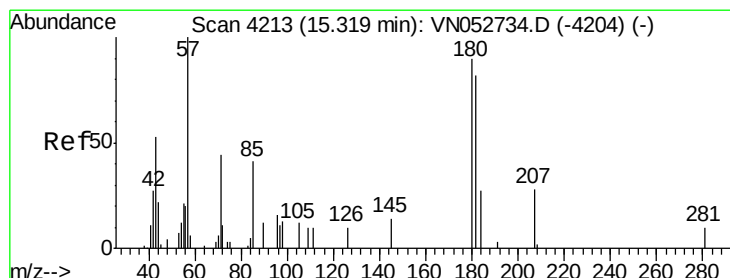
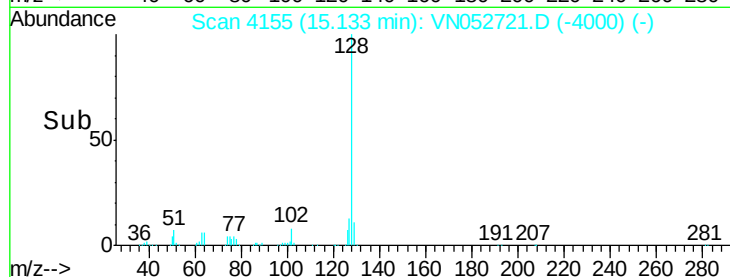
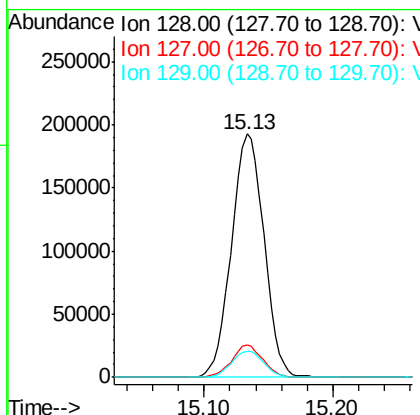
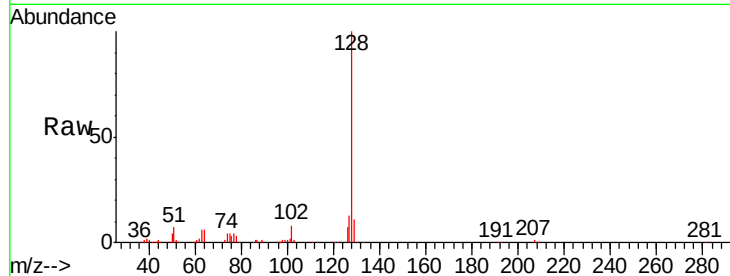
#91
Naphthalene
Concen: 19.691 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	338579		
127	12.6		9.9	14.9
129	10.7		8.5	12.7

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#92
1,2,3-Trichlorobenzene
Concen: 20.900 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052721.D
Acq: 7 Dec 2018 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	163997		
182	94.6		0.0	196.2
145	30.3		0.0	62.2

