

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058913.D
 Acq On : 22 Oct 2019 16:52
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/23/2019 3:10:01 PM

Quant Time: Oct 23 04:45:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	58128	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	313178	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	290792	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	152217	30.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.83%
60) 4-Bromofluorobenzene	12.40	95	146770	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.09	98	419256	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	65388	20.762 ug/l	95
3) Chloromethane	2.04	50	89547	21.285 ug/l	98
4) Vinyl Chloride	2.17	62	93475	21.498 ug/l	98
5) Bromomethane	2.55	94	58820	21.911 ug/l	97
6) Chloroethane	2.69	64	60240	22.041 ug/l	100
7) Trichlorofluoromethane	3.00	101	117228	21.905 ug/l	98
8) Diethyl Ether	3.39	74	41583	20.372 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	64202	20.733 ug/l	99
10) 1,1-Dichloroethene	3.72	96	61895	20.351 ug/l	97
11) Methyl Iodide	3.93	142	85459	20.176 ug/l	96
12) Methyl Acetate	4.30	43	99317	20.410 ug/l	99
13) Acrolein	3.58	56	56608	105.288 ug/l	96
14) Acrylonitrile	4.96	53	196443	102.457 ug/l	99
15) Acetone	3.80	58	62599	109.990 ug/l	92
16) Carbon Disulfide	4.03	76	180151	20.308 ug/l	99
17) Allyl chloride	4.30	41	123998	20.484 ug/l	99
18) Methylene Chloride	4.53	84	75735	20.564 ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	68681	20.743 ug/l	89
20) Diisopropyl ether	5.93	45	261522	21.204 ug/l	98
21) 1,1-Dichloroethane	5.82	63	146442	21.442 ug/l	100
22) cis-1,2-Dichloroethene	6.81	96	79620	20.169 ug/l	96
23) tert-Butyl Alcohol	4.76	59	68422	87.247 ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	226636	19.975 ug/l	99
25) Chloroform	7.36	83	141378	20.756 ug/l	95
26) Cyclohexane	7.63	56	118399	19.751 ug/l #	97
29) 1,1-Dichloropropene	7.78	75	103363	20.967 ug/l	99
30) 2-Butanone	6.82	43	282688	101.472 ug/l	99
31) 2,2-Dichloropropane	6.81	77	128234	22.069 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	122617	21.505 ug/l	99
33) Carbon Tetrachloride	7.75	117	104750	21.224 ug/l	99
34) Benzene	8.02	78	307860	21.212 ug/l	97
35) Methacrylonitrile	7.15	41	42732	17.364 ug/l	84
36) 1,2-Dichloroethane	8.11	62	120930	21.793 ug/l	99
37) Trichloroethene	8.82	130	74046	20.767 ug/l	99
38) Methylcyclohexane	9.07	83	109755	19.202 ug/l	96
39) 1,2-Dichloropropane	9.11	63	86516	21.812 ug/l	97
40) Dibromomethane	9.20	93	53375	21.317 ug/l	100

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Manual Integrations
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Quant Time: Oct 23 04:45:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	110066	21.517	ug/l	99
42) Vinyl Acetate	5.87	43	1069873	109.655	ug/l	100
43) Ethyl Acetate	6.91	43	108567	19.855	ug/l	96
44) Isopropyl Acetate	8.15	43	178044	20.102	ug/l	90
45) 1,4-Dioxane	9.19	88	25505	375.015	ug/l	98
46) Methyl methacrylate	9.19	41	80055	19.688	ug/l	95
47) n-amyl Acetate	12.07	43	143610	18.291	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	121299	20.447	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	132042	21.196	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	75541	21.133	ug/l	96
51) Ethyl methacrylate	10.43	69	109822	19.214	ug/l	98
52) 1,3-Dichloropropane	10.71	76	134213	21.084	ug/l	100
53) Dibromochloromethane	10.90	129	80906	21.091	ug/l	98
54) 1,2-Dibromoethane	11.00	107	77368	20.882	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	262706	92.401	ug/l	100
56) Bromoform	12.13	173	55869	20.907	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	558789	105.336	ug/l	98
59) 2-Hexanone	10.75	43	412750	99.247	ug/l	99
61) Tetrachloroethene	10.63	164	65332	20.791	ug/l	94
62) Toluene	10.15	91	328292	20.988	ug/l	100
64) Chlorobenzene	11.43	112	196118	20.508	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	73258	20.430	ug/l	100
66) Ethyl Benzene	11.51	91	348993	20.149	ug/l	100
67) m/p-Xylenes	11.62	106	256835	39.691	ug/l	98
68) o-Xylene	11.95	106	123946	19.758	ug/l	100
69) Styrene	11.97	104	197810	19.087	ug/l	99
70) Isopropylbenzene	12.25	105	333776	19.708	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	115059	20.180	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	109367m	21.169	ug/l	
73) Bromobenzene	12.53	156	81183	19.735	ug/l	97
74) n-propylbenzene	12.59	91	401233	20.240	ug/l	100
75) 2-Chlorotoluene	12.68	91	238385	19.986	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	287616	19.828	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	37187	18.894	ug/l	96
78) 4-Chlorotoluene	12.78	91	244050	19.853	ug/l	99
79) tert-butylbenzene	13.00	119	242423	19.561	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285238	19.789	ug/l	99
81) sec-Butylbenzene	13.17	105	328099	19.672	ug/l	100
82) p-Isopropyltoluene	13.29	119	286650	19.139	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	144694	19.438	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	137866	18.542	ug/l	98
85) n-Butylbenzene	13.62	91	248098	18.094	ug/l	100
86) Hexachloroethane	13.88	117	54527	20.005	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	145338	19.777	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23876	18.814	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	76458	16.477	ug/l	97
90) Hexachlorobutadiene	15.01	225	45395	18.945	ug/l	99
91) Naphthalene	15.13	128	220668	16.107	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	80369	17.793	ug/l	98

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Instrument :
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ClientSampleId :
VSTDCCC020EC

Manual Integrations
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QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

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

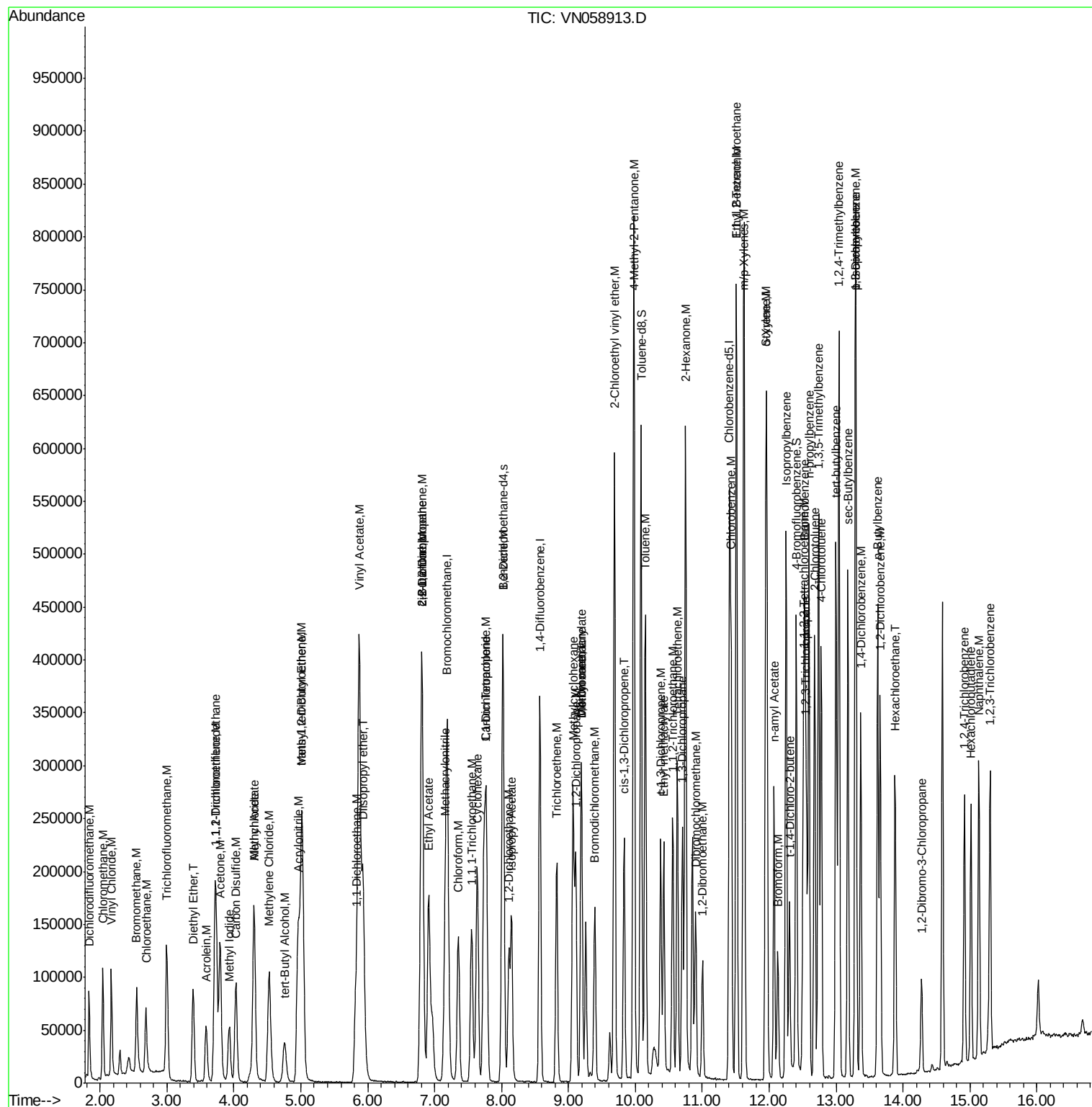
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 Data File : VN058913.D
 Acq On : 22 Oct 2019 16:52
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

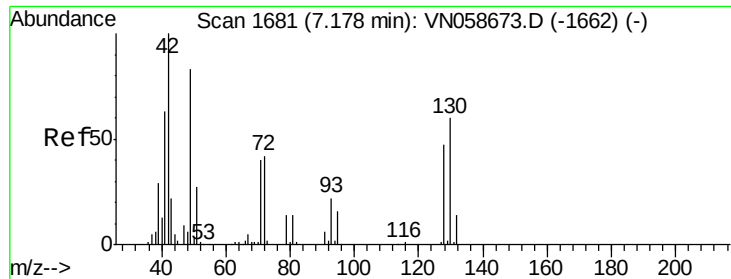
Instrument :
 MSVOA_N
 ClientSampleId :
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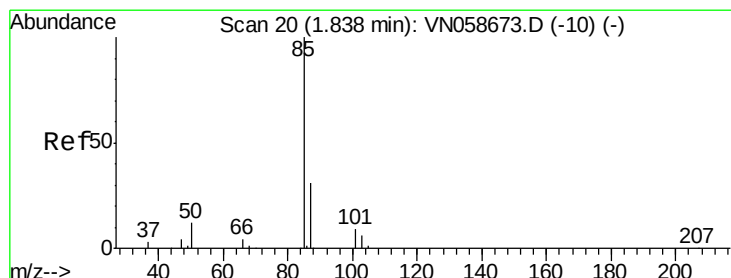
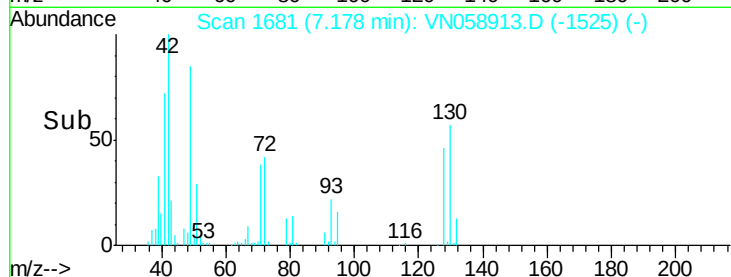
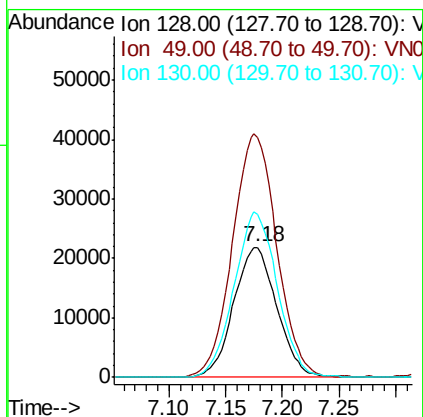
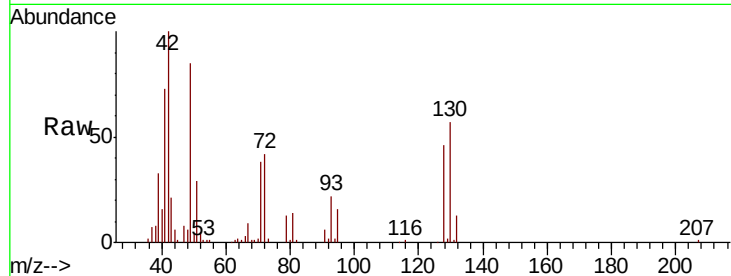
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	191.6	0.0	453.5
130	126.9	0.0	314.2

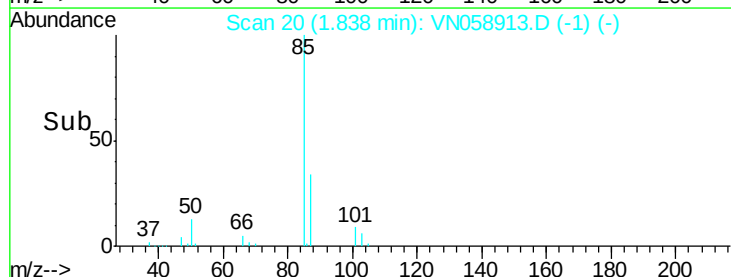
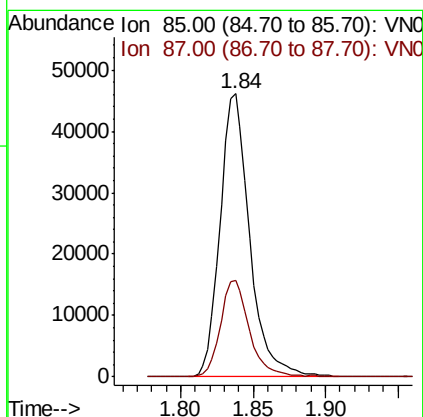
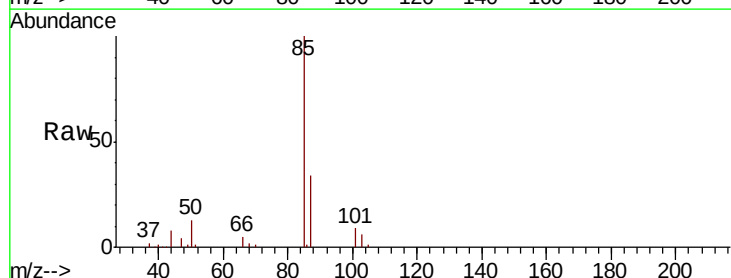
Manual Integrations
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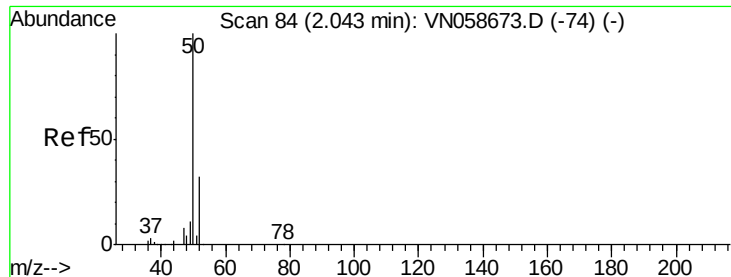
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#2
Dichlorodifluoromethane
Concen: 20.762 ug/l
RT: 1.84 min Scan# 20
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.1	15.7	47.0





#3

Chloromethane

Concen: 21.285 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 89547

Ion Ratio Lower Upper

50 100

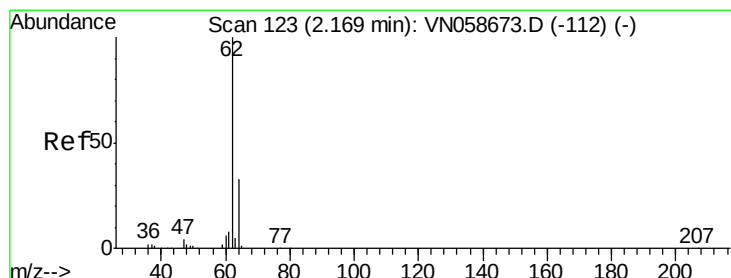
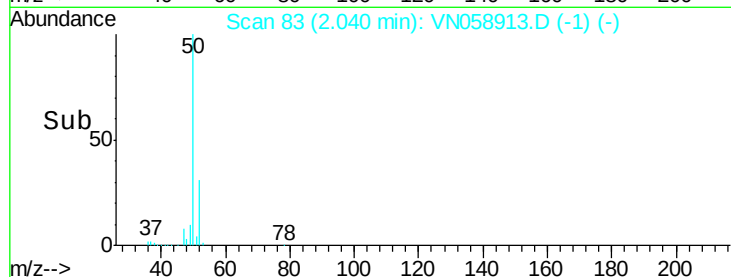
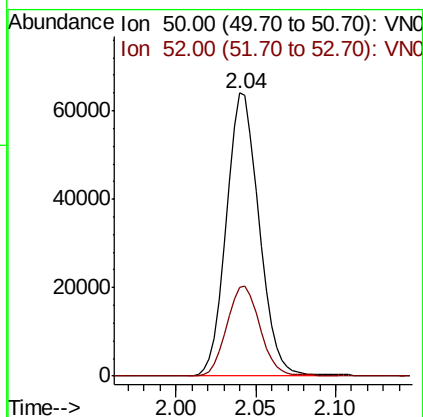
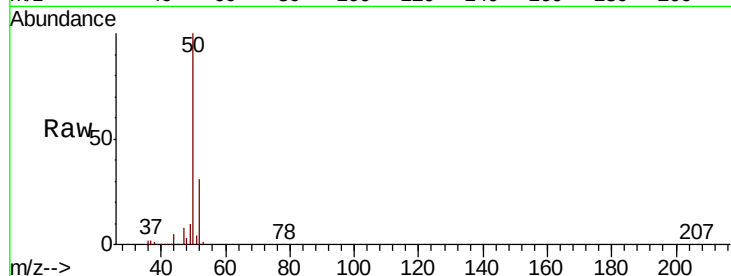
52 31.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.498 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058913.D

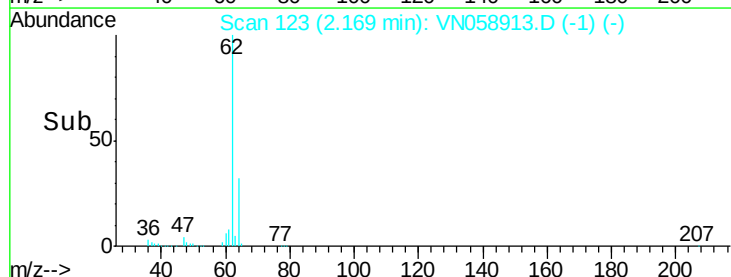
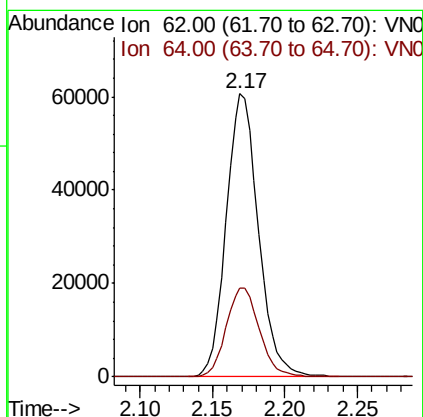
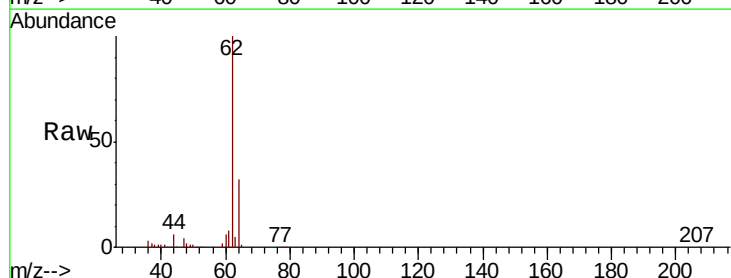
Acq: 22 Oct 2019 16:52

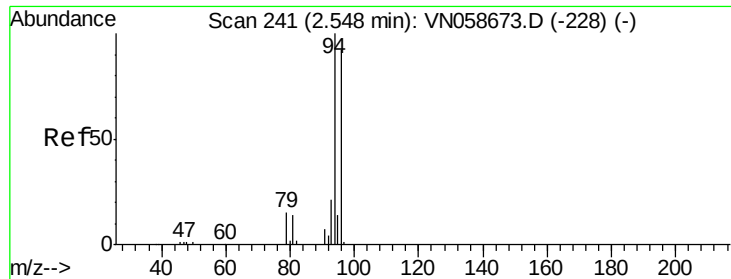
Tgt Ion: 62 Resp: 93475

Ion Ratio Lower Upper

62 100

64 31.6 26.1 39.1





#5

Bromomethane

Concen: 21.911 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 58820

Ion Ratio Lower Upper

94 100

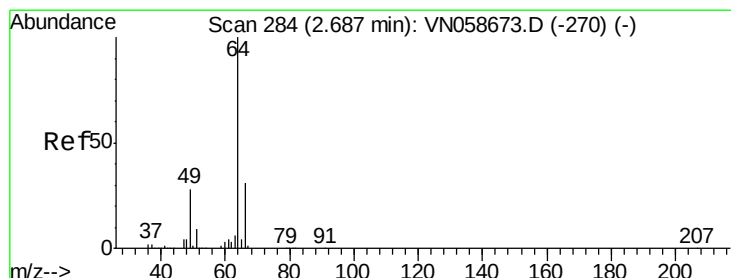
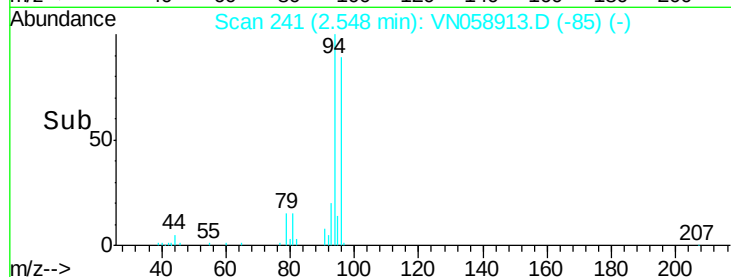
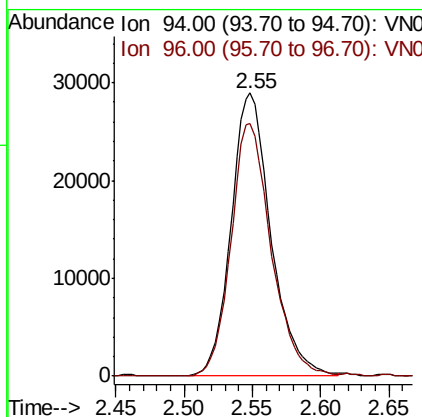
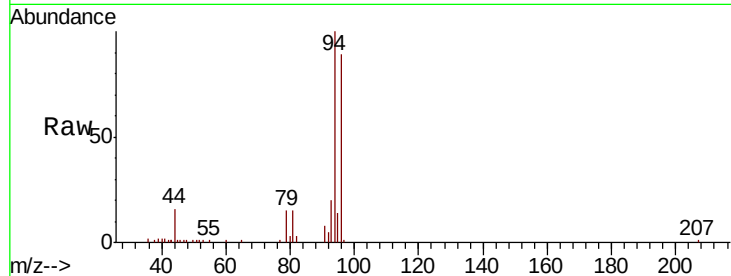
96 89.2 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 22.041 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058913.D

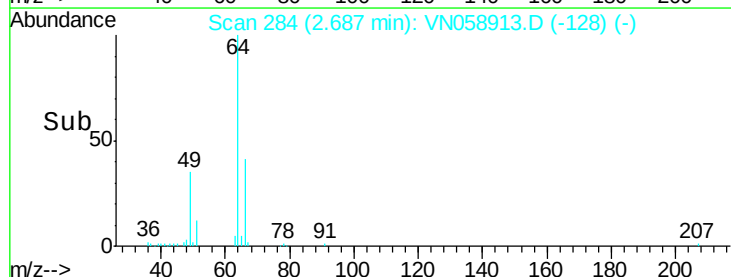
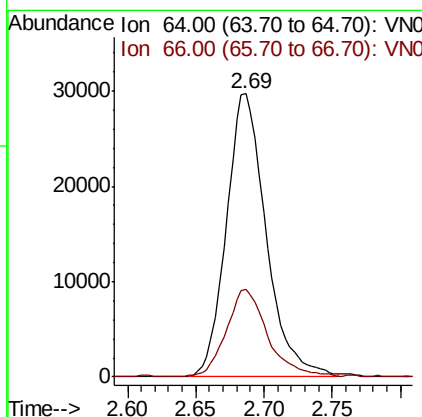
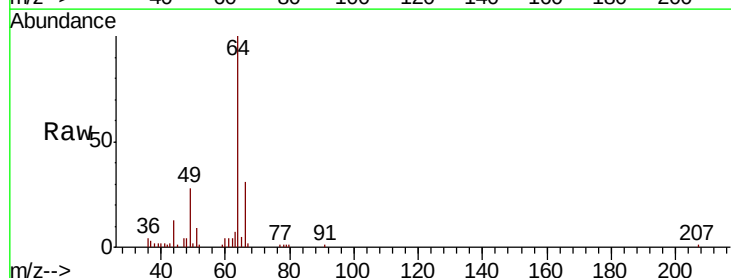
Acq: 22 Oct 2019 16:52

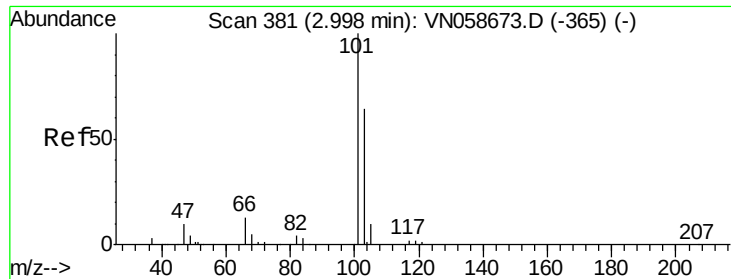
Tgt Ion: 64 Resp: 60240

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8





#7

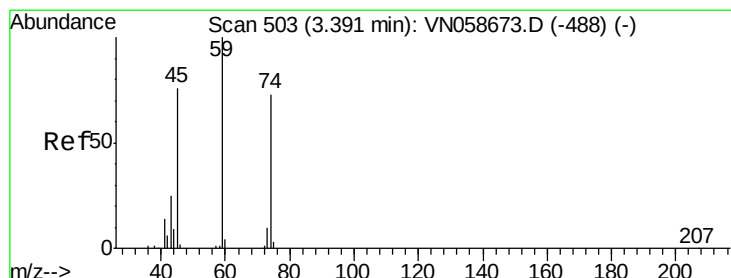
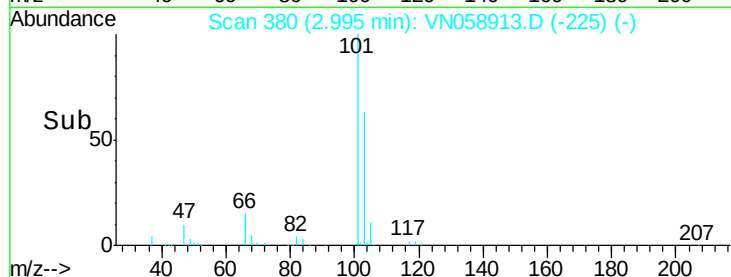
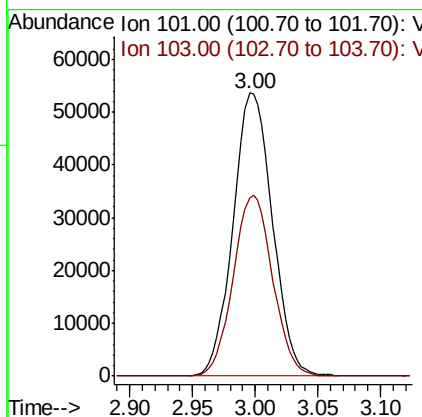
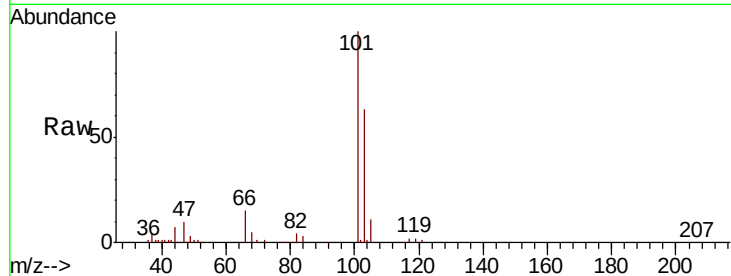
Trichlorofluoromethane
 Concen: 21.905 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
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 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		117228		
103	63.0	51.5	77.3		

Manual Integrations
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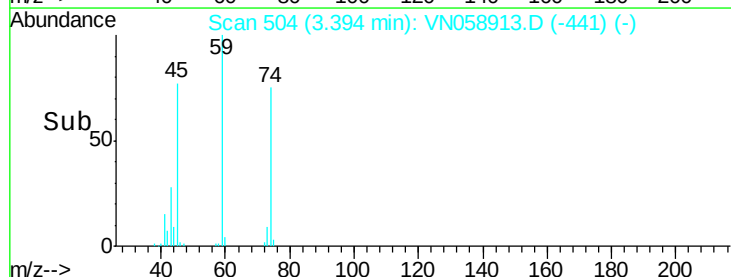
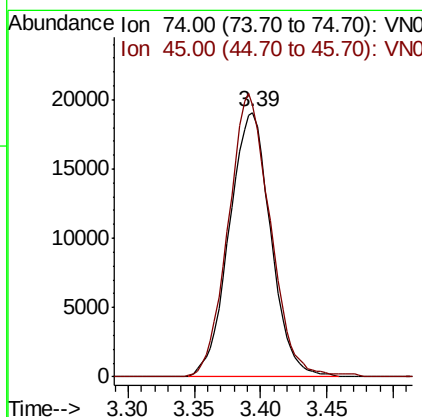
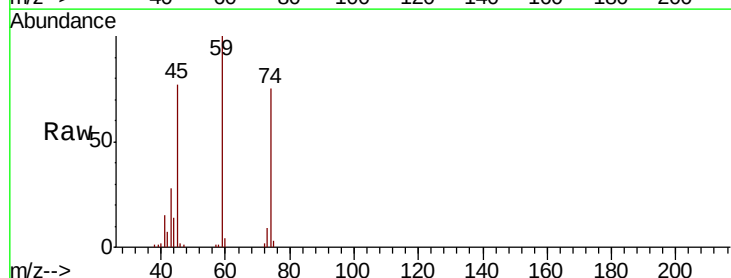
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 10/23/2019 3:10:01 PM

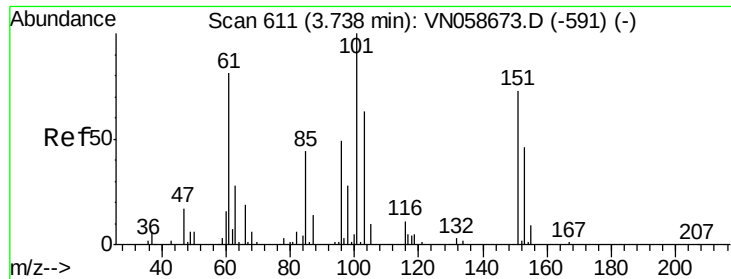


#8

Diethyl Ether
 Concen: 20.372 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		41583		
45	107.7	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.733 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

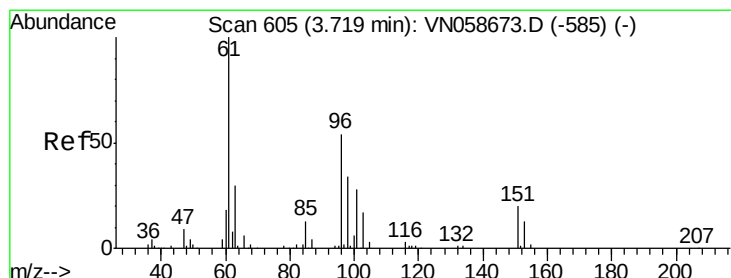
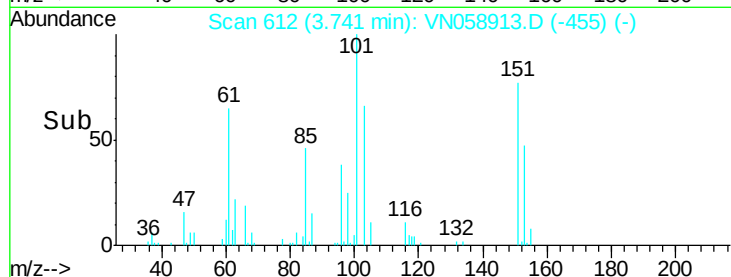
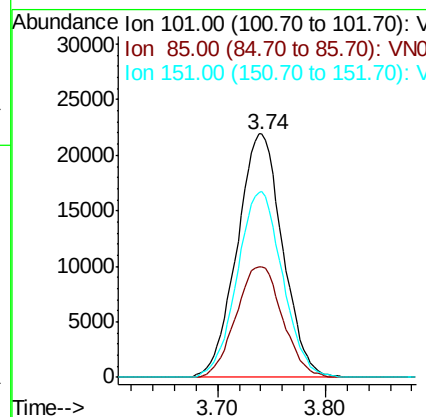
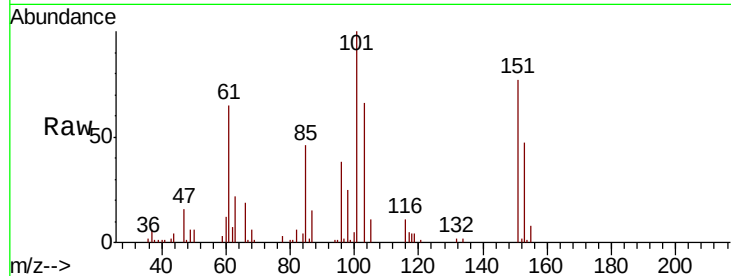
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	64202
Ion Ratio	Lower	Upper	
101	100		
85	46.5	0.0	93.8
151	76.1	0.0	149.6

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10/23/2019 3:10:01 PM



#10

1,1-Dichloroethene

Concen: 20.351 ug/l

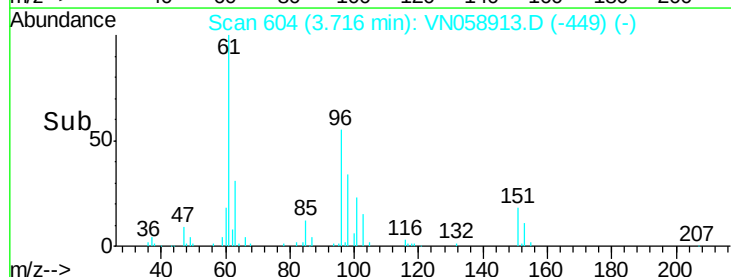
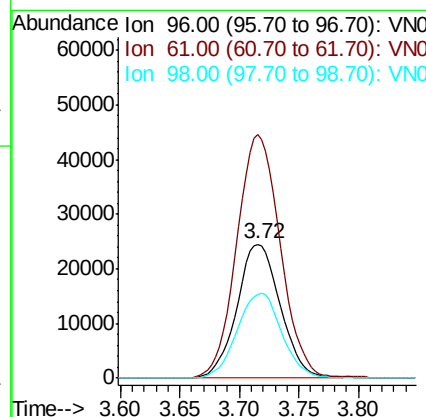
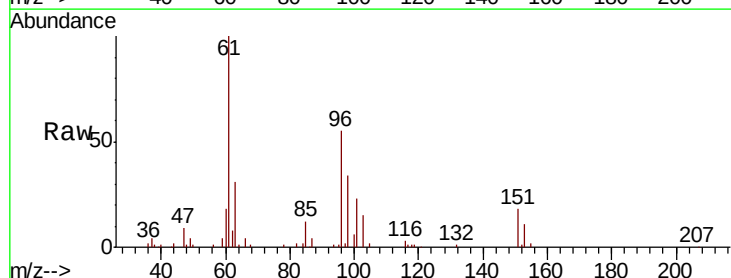
RT: 3.72 min Scan# 604

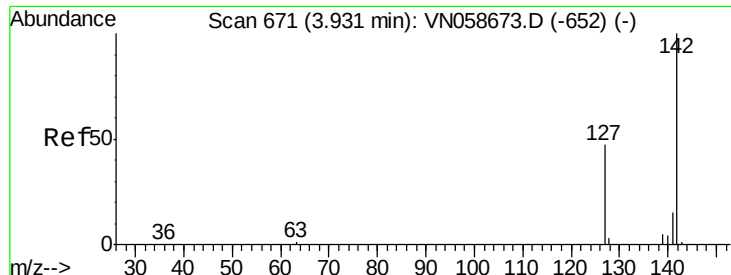
Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion:	96	Resp:	61895
Ion Ratio	Lower	Upper	
96	100		
61	181.0	148.5	222.7
98	62.5	51.0	76.6





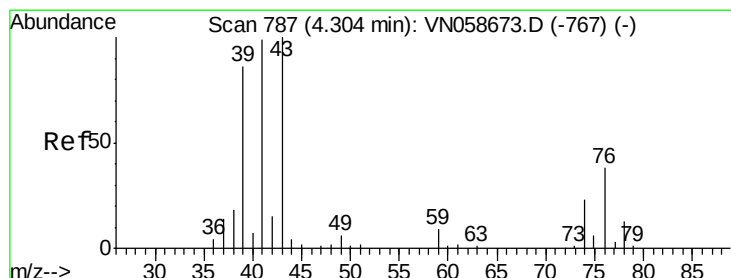
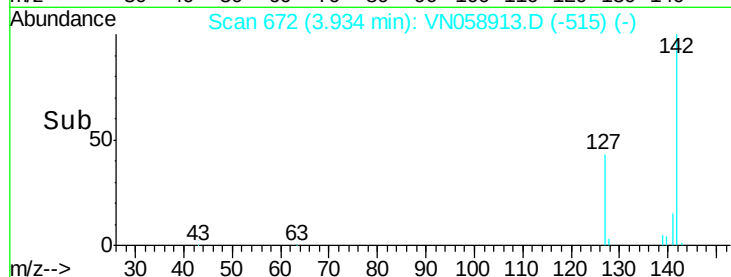
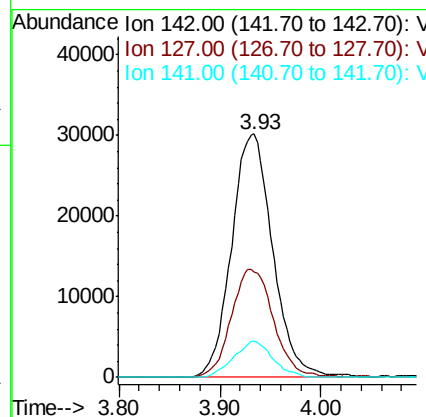
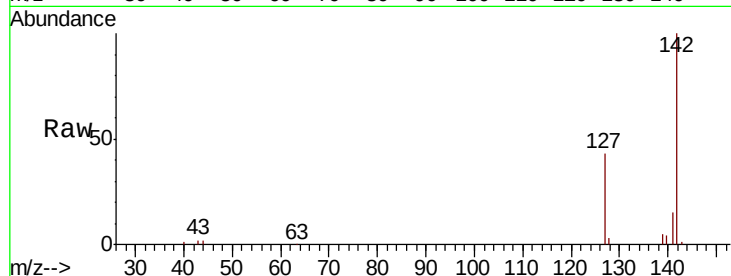
#11
Methyl Iodide
Concen: 20.176 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.5	23.5	70.6
141	15.1	7.4	22.2

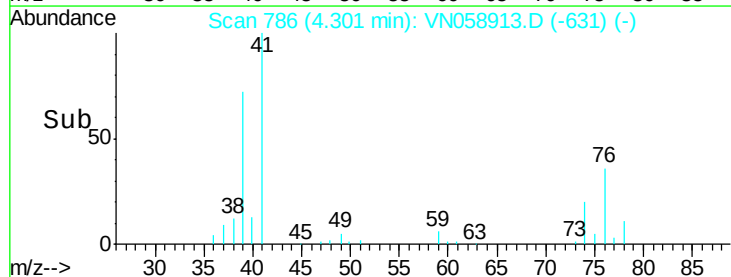
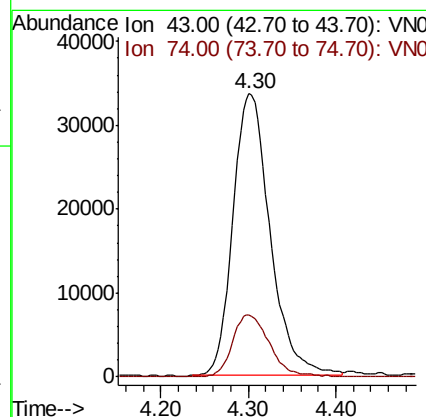
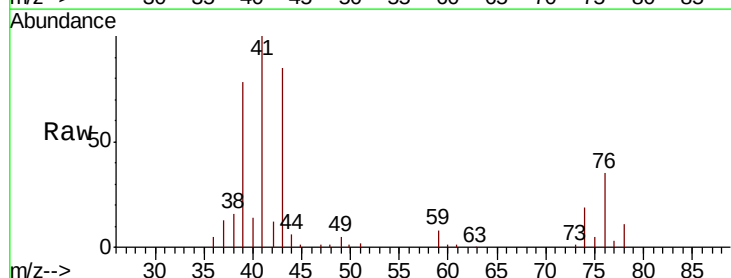
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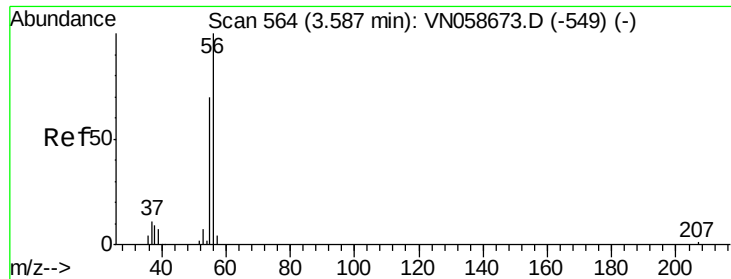
MMDadoda
10/23/2019 3:10:01 PM



#12
Methyl Acetate
Concen: 20.410 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.1	27.1





#13

Acrolein

Concen: 105.288 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 56608

Ion Ratio Lower Upper

56 100

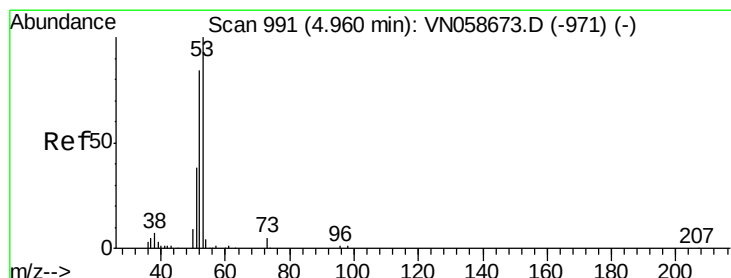
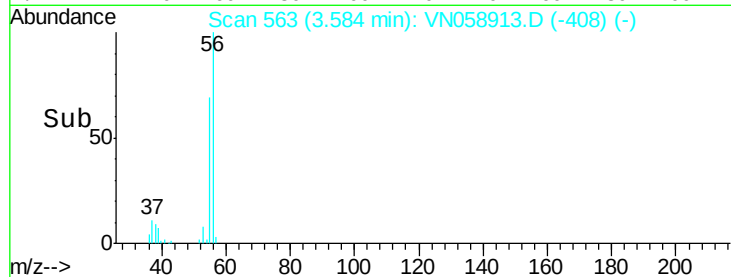
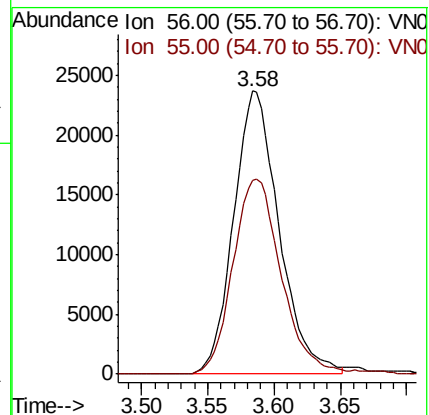
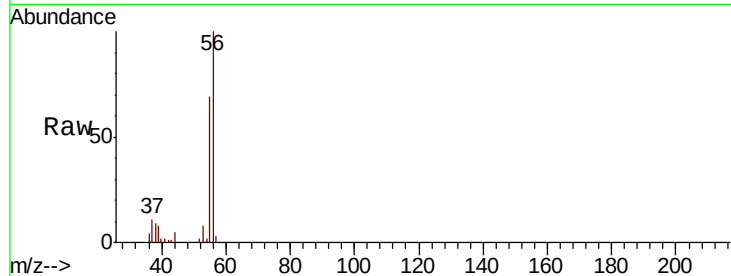
55 73.0 55.9 83.9

Manual Integrations

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MMDadoda

10/23/2019 3:10:01 PM



#14

Acrylonitrile

Concen: 102.457 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

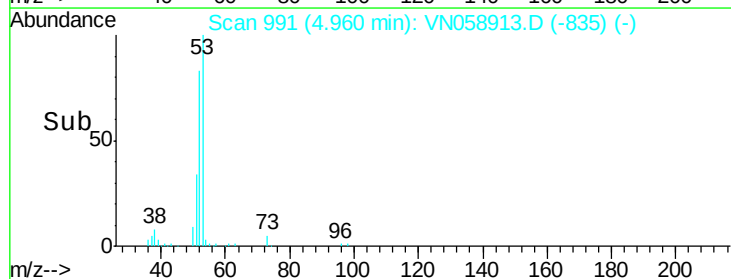
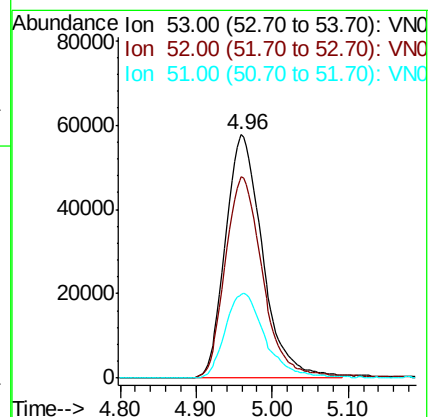
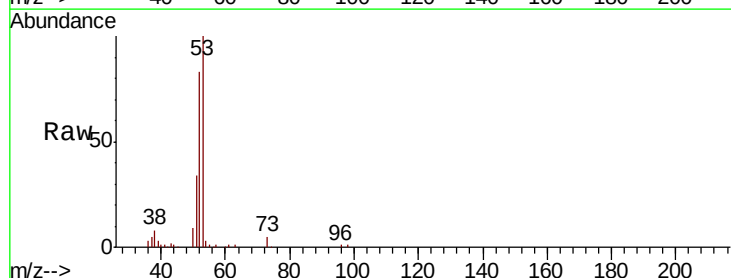
Tgt Ion: 53 Resp: 196443

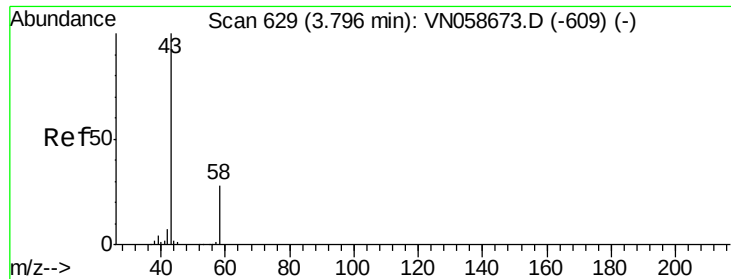
Ion Ratio Lower Upper

53 100

52 83.0 42.2 126.6

51 37.3 18.8 56.4





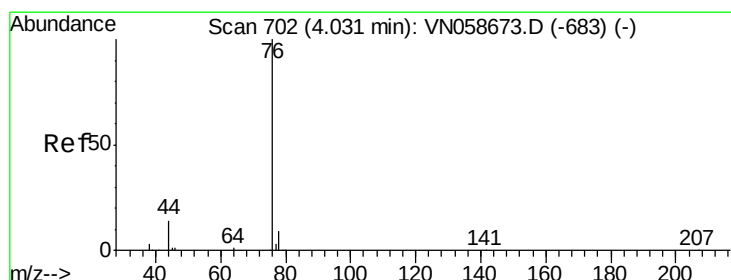
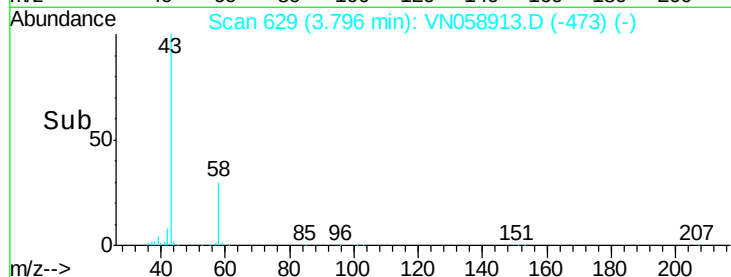
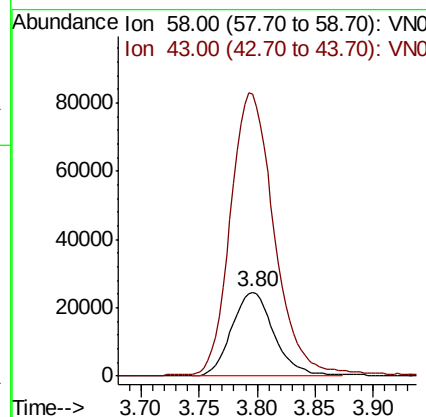
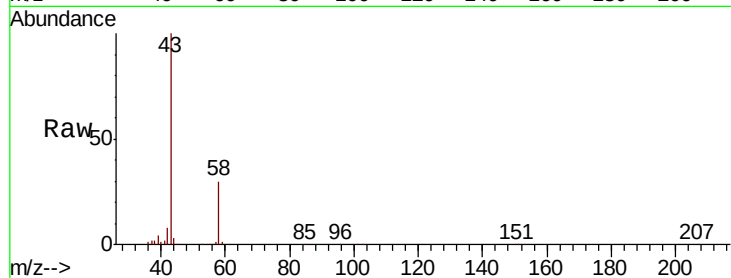
#15
Acetone
Concen: 109.990 ug/l
RT: 3.80 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 58 Resp: 62599
Ion Ratio Lower Upper
58 100
43 333.9 281.7 422.5

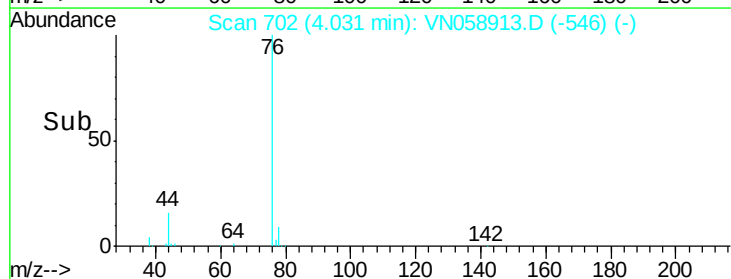
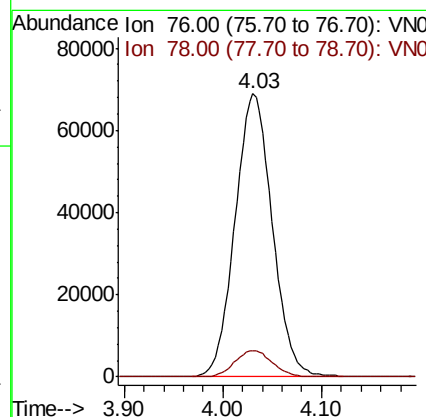
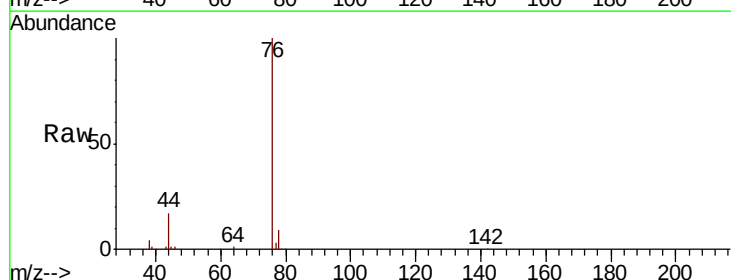
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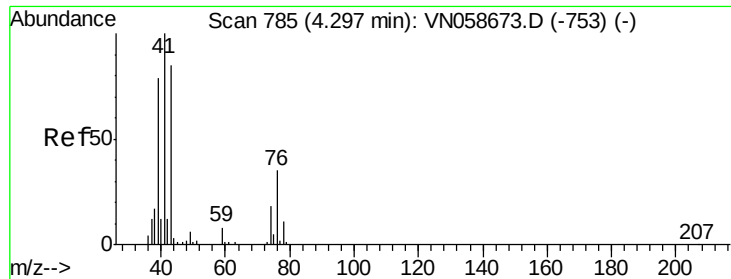
MMDadoda
10/23/2019 3:10:01 PM



#16
Carbon Disulfide
Concen: 20.308 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 76 Resp: 180151
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0





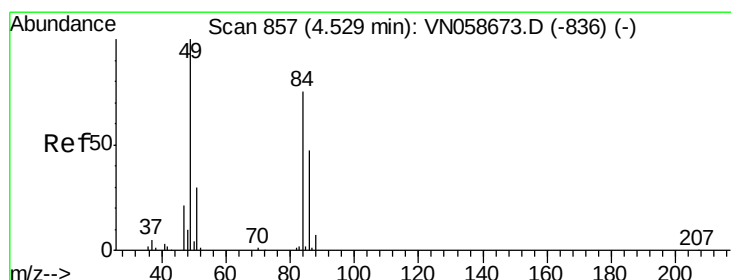
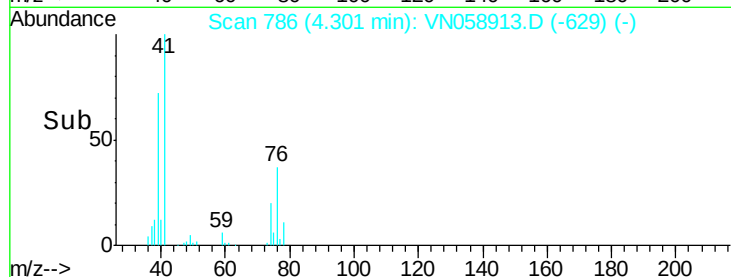
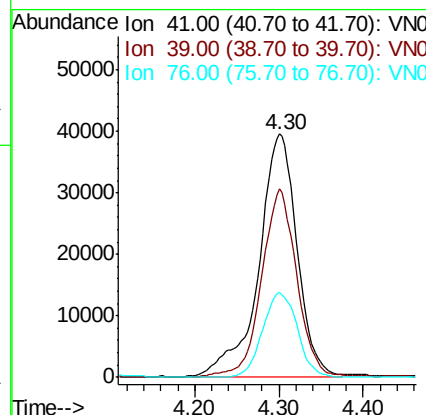
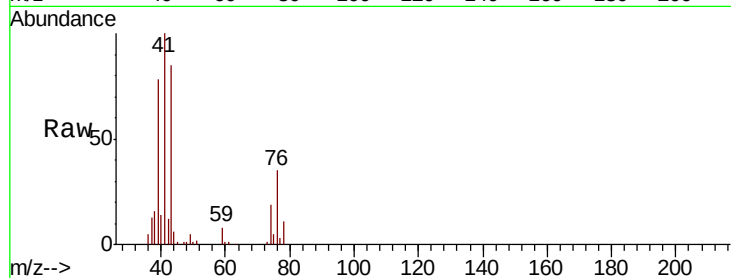
#17
Allvl chloride
Concen: 20.484 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.9	39.6	118.8
76	35.0	17.6	52.9

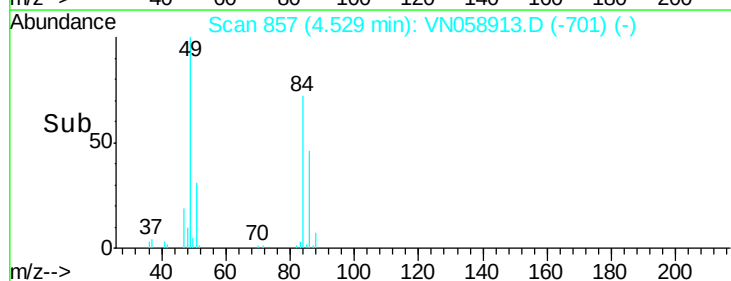
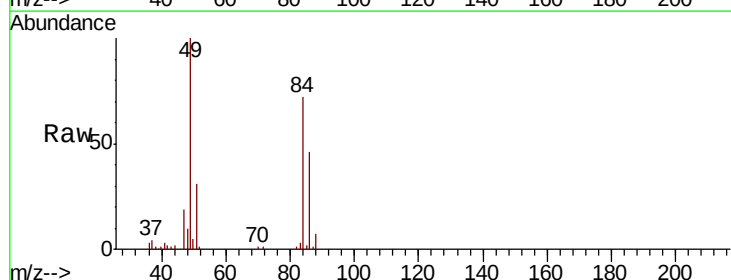
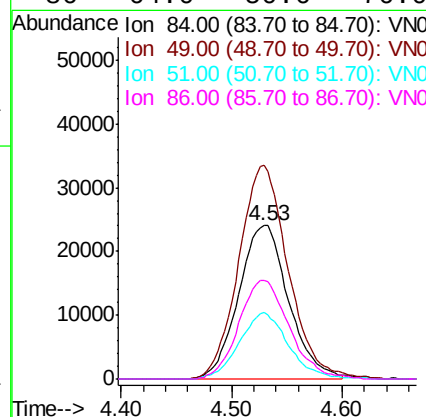
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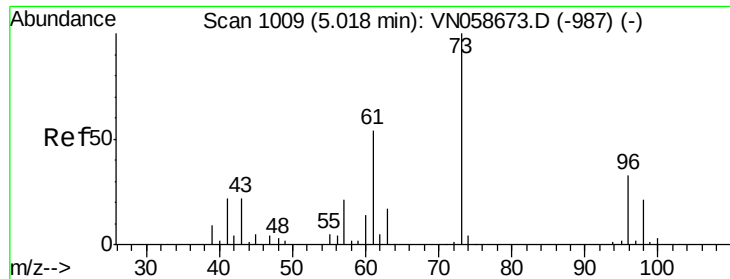
MMDadoda
10/23/2019 3:10:01 PM



#18
Methylene Chloride
Concen: 20.564 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.4	106.6	160.0
51	43.1	32.4	48.6
86	64.0	50.6	76.0





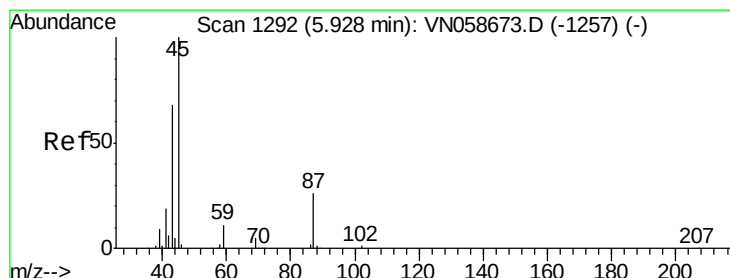
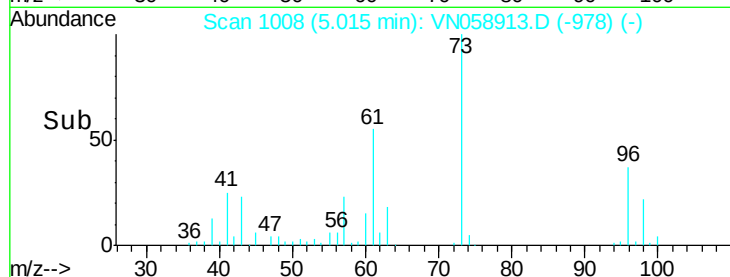
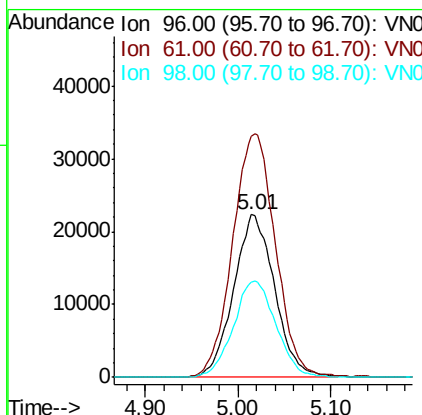
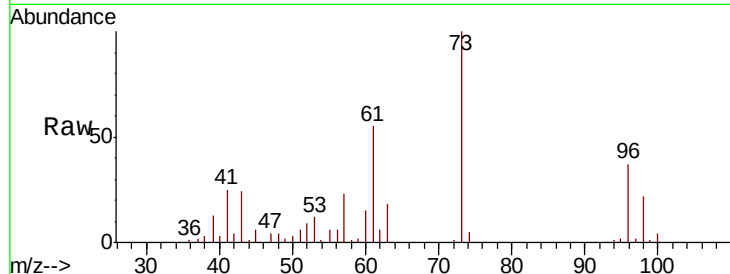
#19
trans-1,2-Dichloroethene
Concen: 20.743 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	148.2	131.8	197.6	
98	58.5	52.6	79.0	

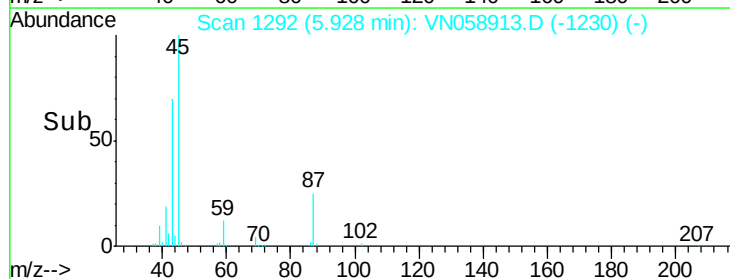
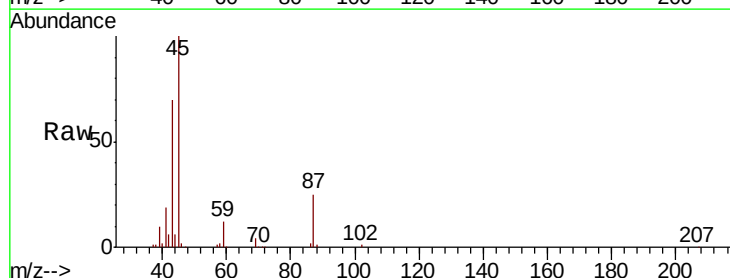
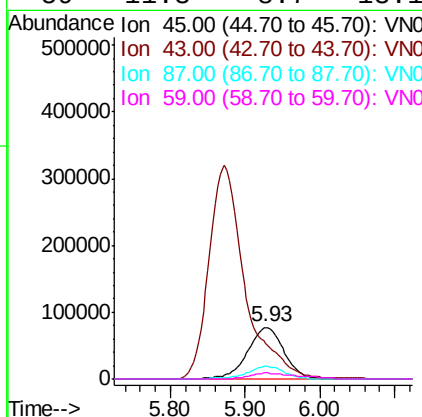
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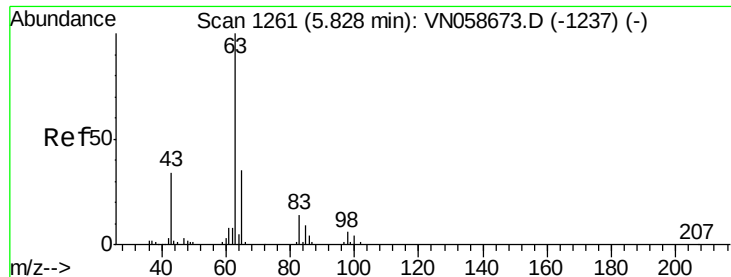
MMDadoda
10/23/2019 3:10:01 PM



#20
Diisopropyl ether
Concen: 21.204 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	68.1	54.7	82.1	
87	24.5	21.5	32.3	
59	11.3	8.7	13.1	





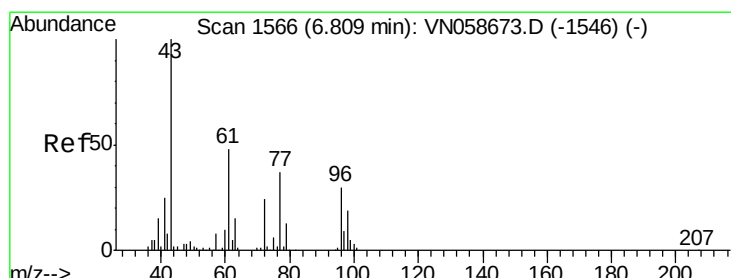
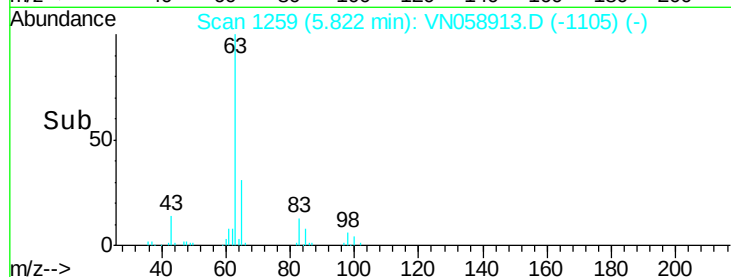
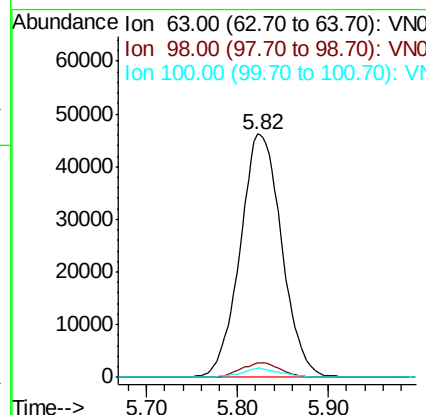
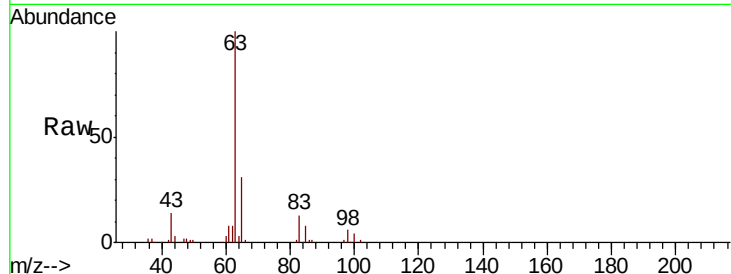
#21
 1,1-Dichloroethane
 Concen: 21.442 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.7	2.9	8.6	
100	3.8	1.8	5.5	

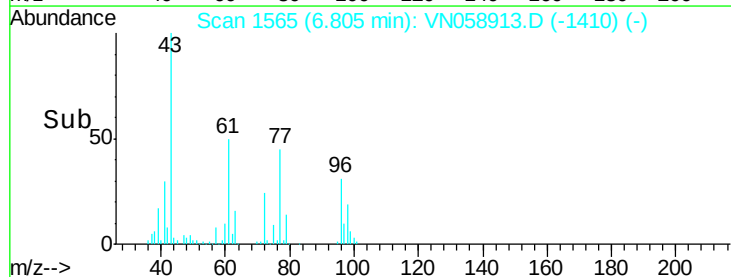
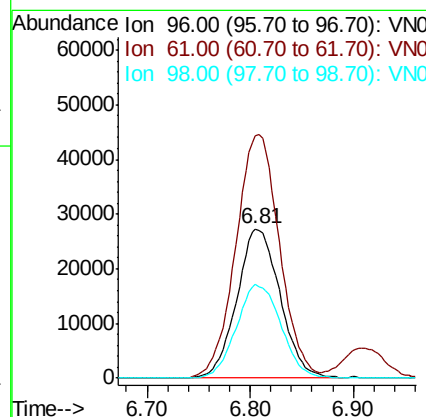
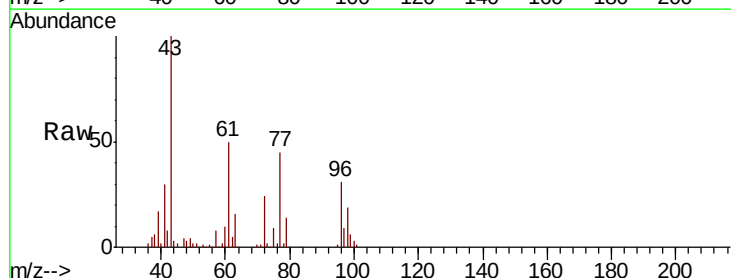
Manual Integrations
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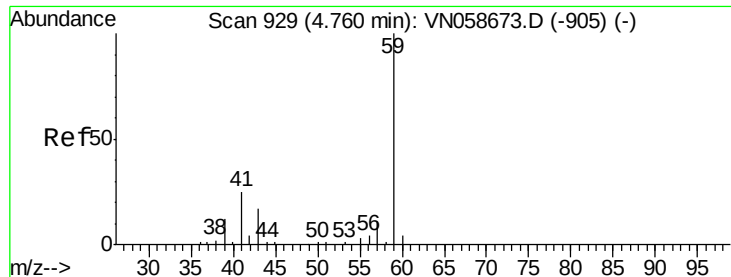
MMDadoda
 10/23/2019 3:10:01 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.169 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	165.0	127.2	190.8	
98	64.6	50.5	75.7	





#23

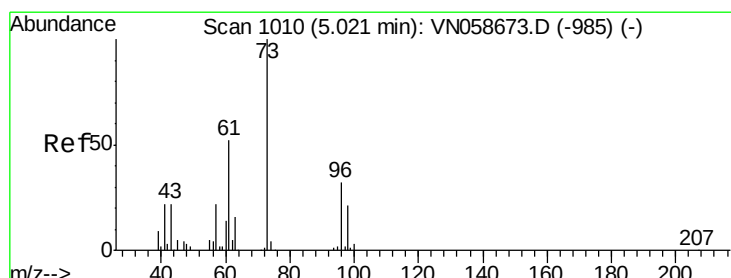
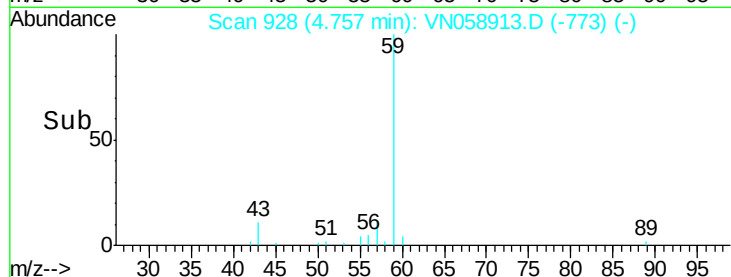
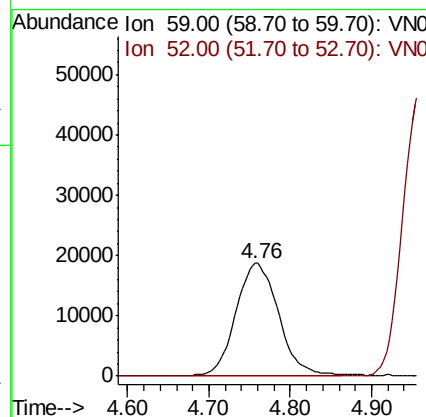
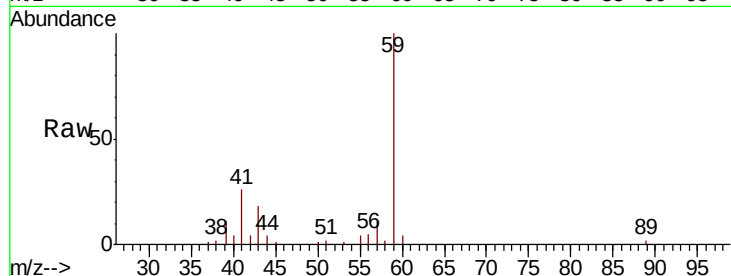
tert-Butyl Alcohol
 Concen: 87.247 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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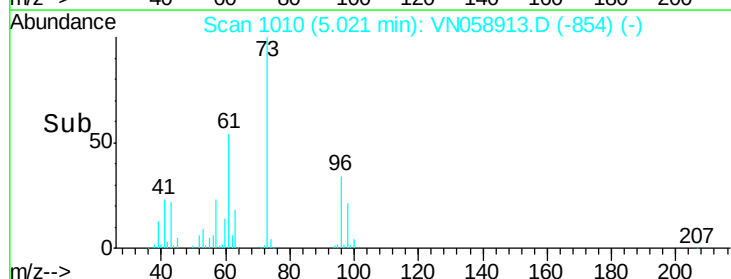
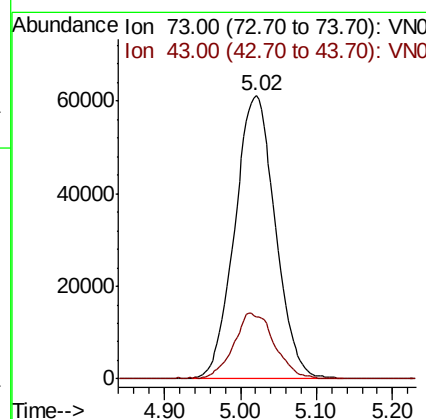
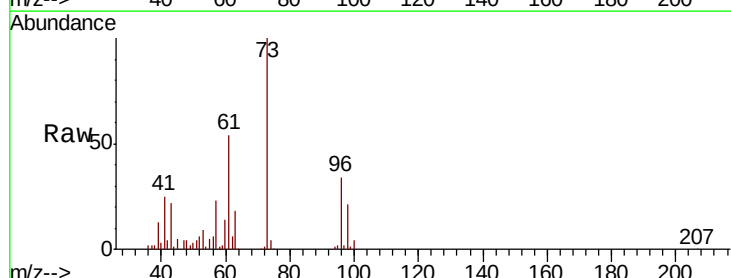
MMDadoda
 10/23/2019 3:10:01 PM

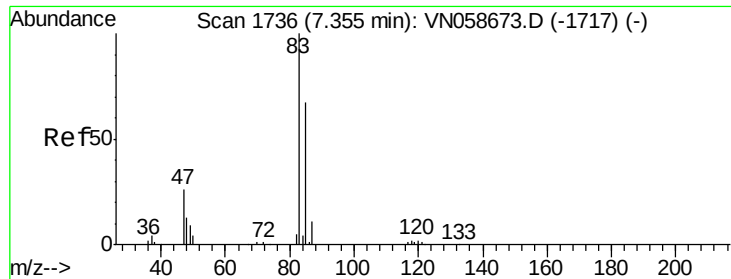


#24

Methyl tert-Butyl Ether
 Concen: 19.975 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.1	17.9	26.9





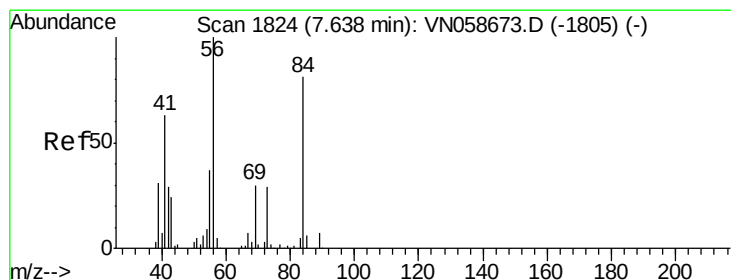
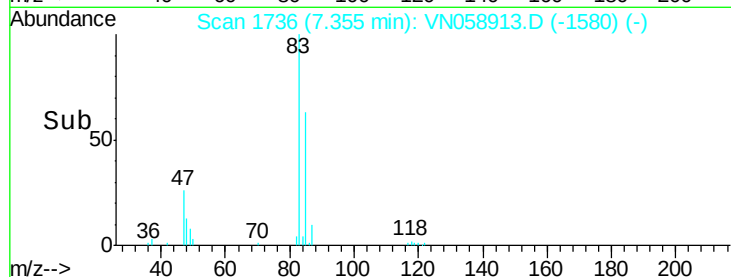
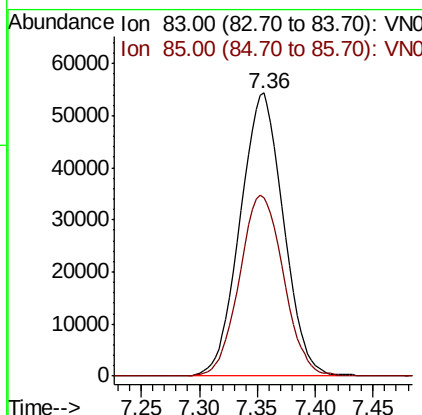
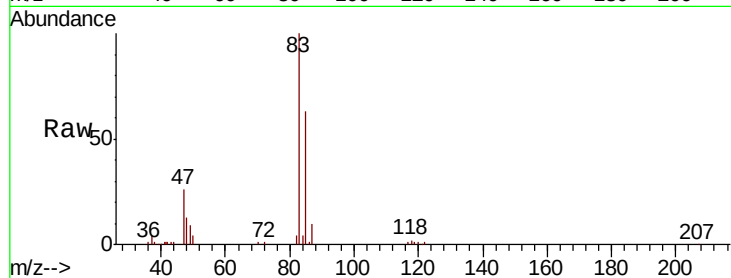
#25
Chloroform
Concen: 20.756 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	141378
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	53.8	80.8

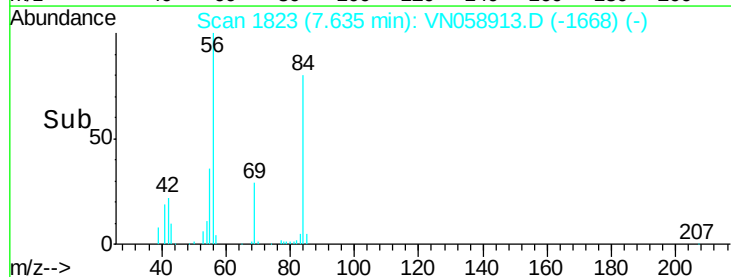
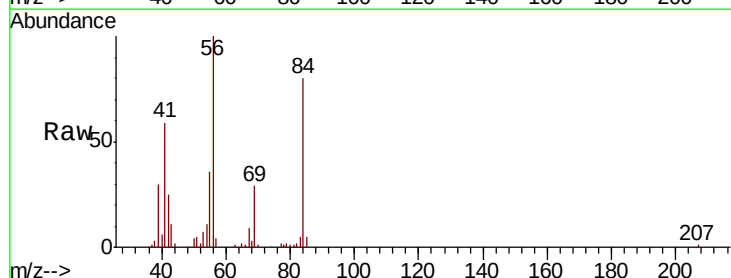
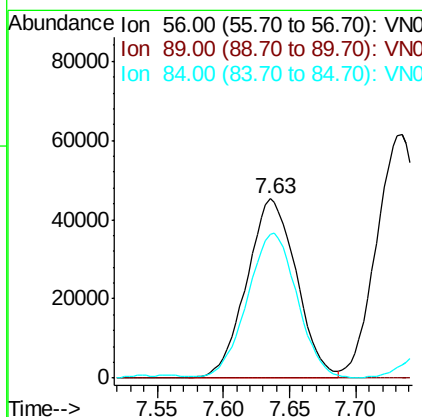
Manual Integrations
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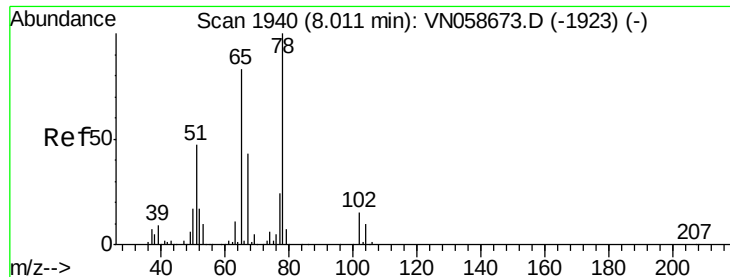
MMDadoda
10/23/2019 3:10:01 PM



#26
Cyclohexane
Concen: 19.751 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	56	Resp	118399
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	6.2	9.2#
84	81.2	65.6	98.4





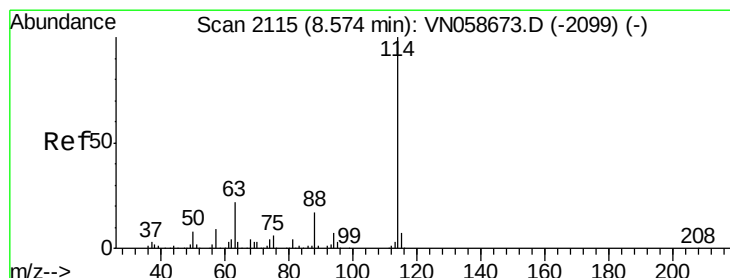
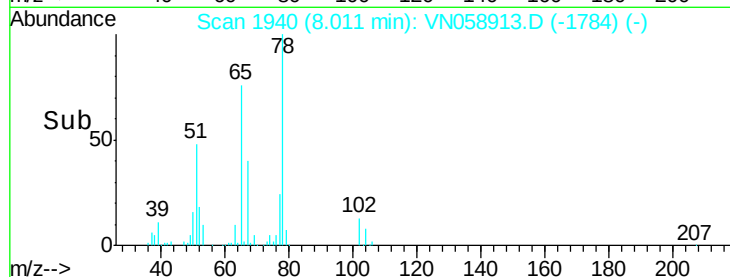
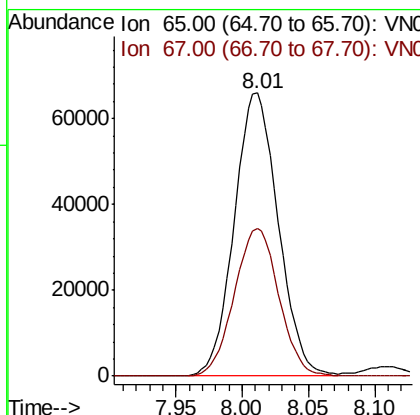
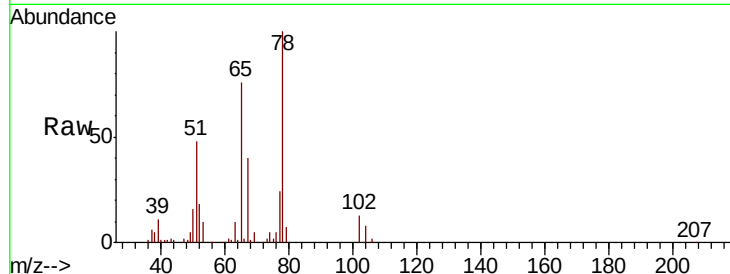
#27
 1,2-Dichloroethane-d4
 Concen: 30.853 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	41.5	62.3

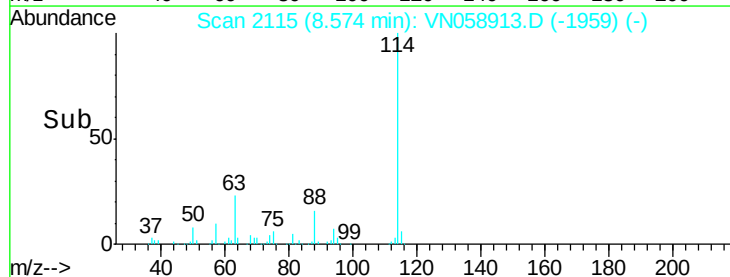
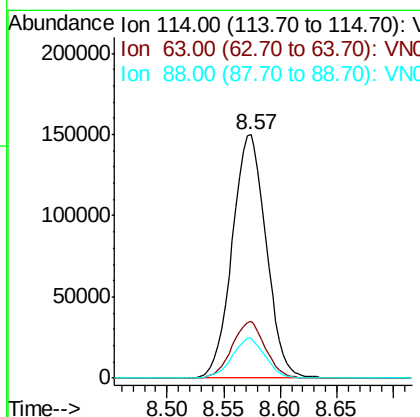
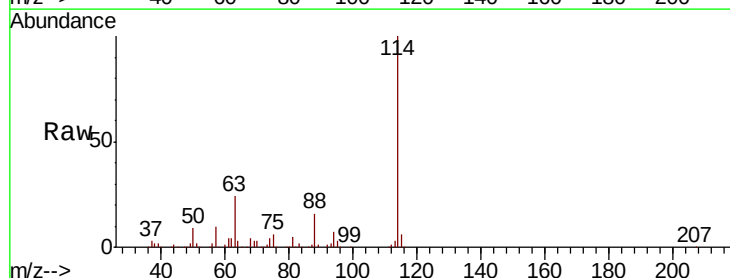
Manual Integrations
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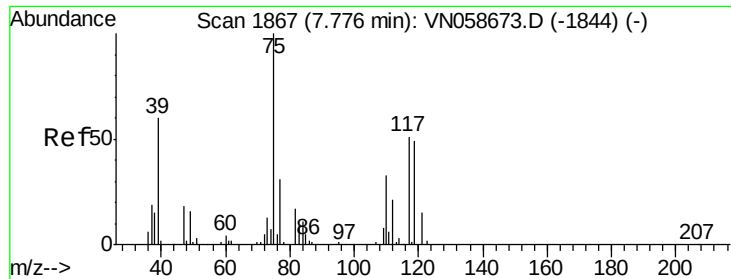
MMDadoda
 10/23/2019 3:10:01 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	18.1	27.1
88	15.9	13.0	19.4





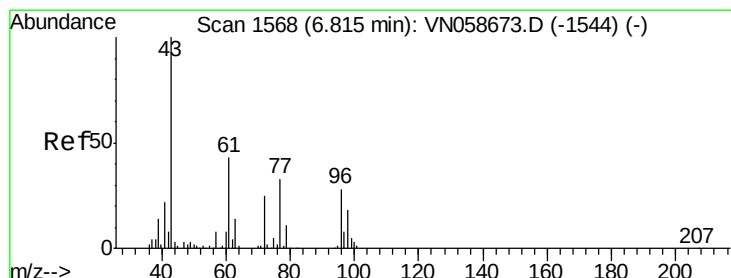
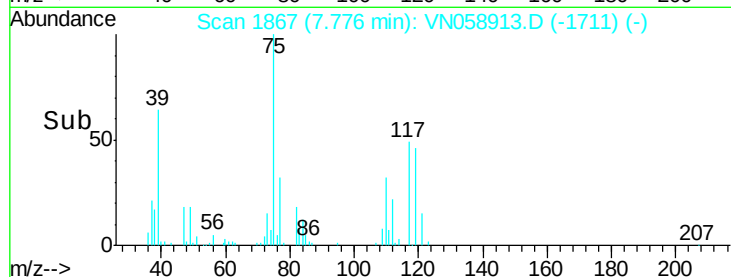
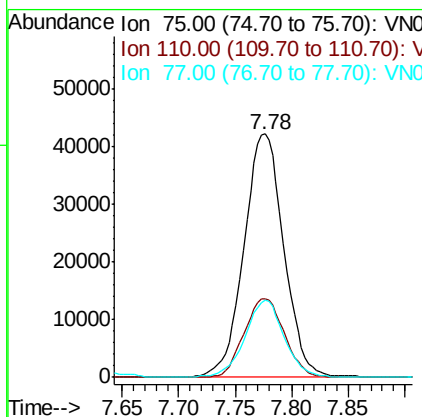
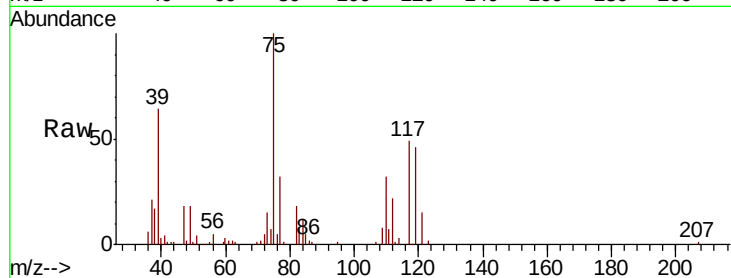
#29
 1,1-Dichloropropene
 Concen: 20.967 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.6	0.0	64.6
77	31.1	0.0	60.8

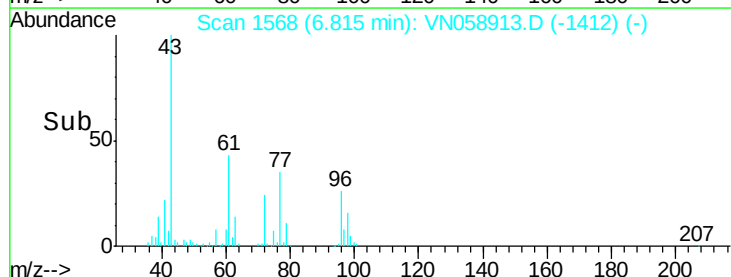
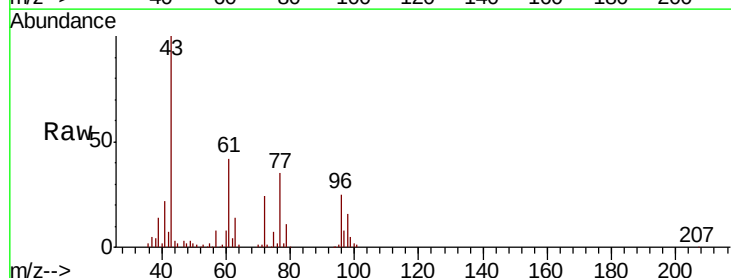
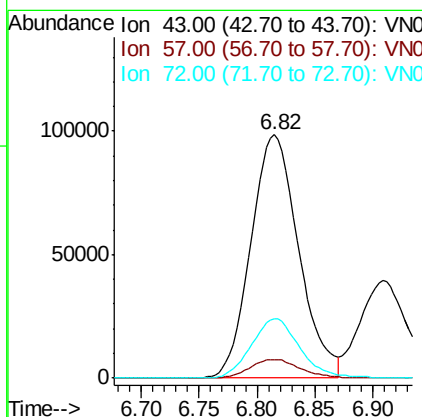
Manual Integrations
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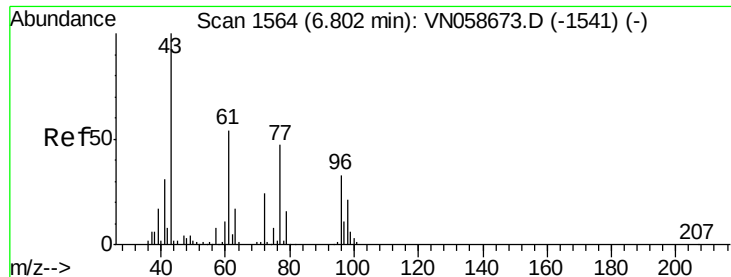
MMDadoda
 10/23/2019 3:10:01 PM



#30
 2-Butanone
 Concen: 101.472 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.5	9.7
72	24.7	20.1	30.1





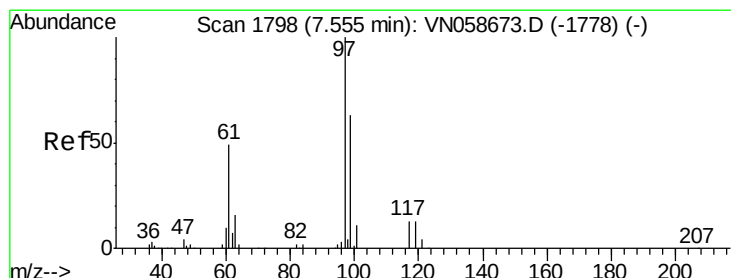
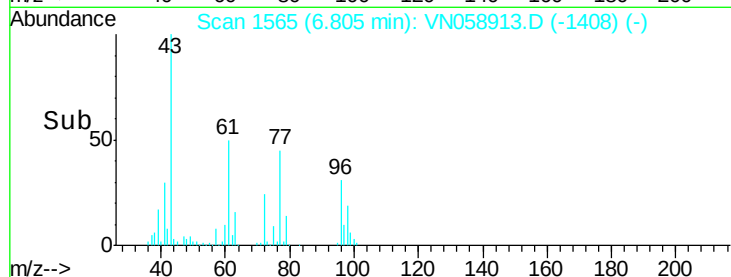
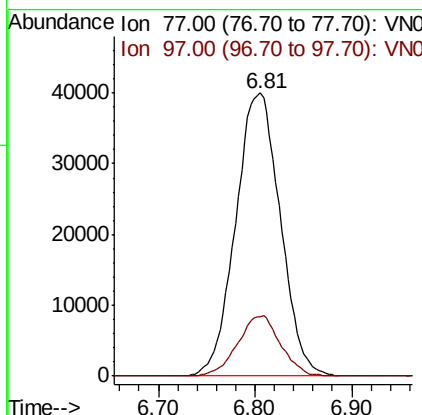
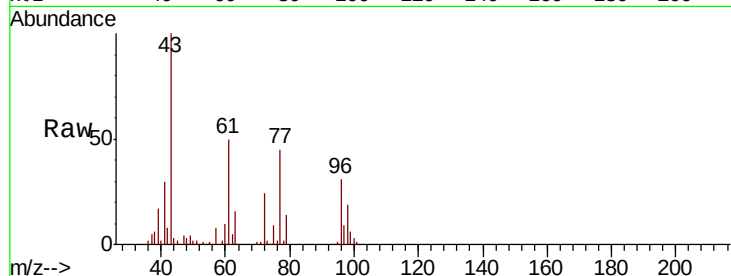
#31
 2,2-Dichloropropane
 Concen: 22.069 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.5	17.9	26.9

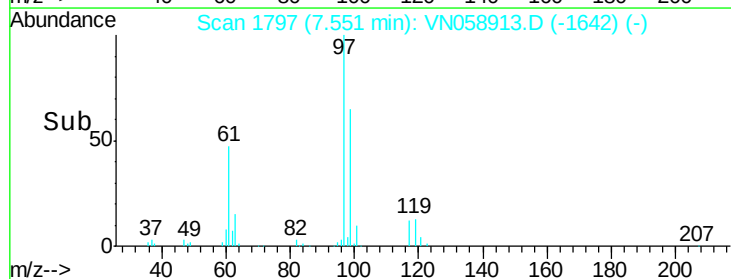
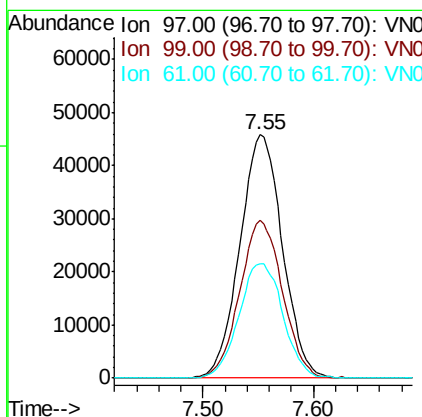
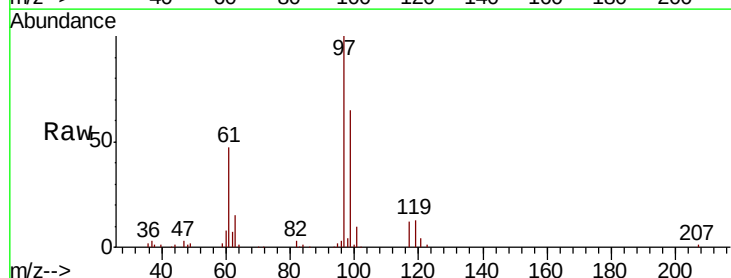
Manual Integrations
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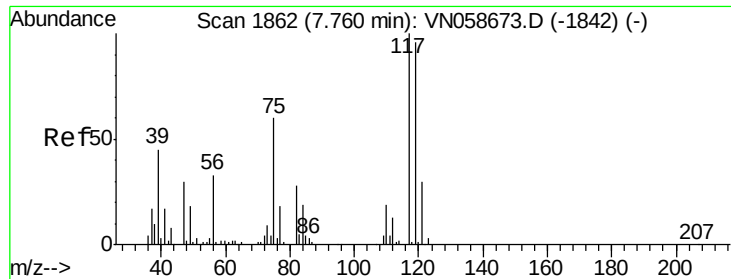
MMDadoda
 10/23/2019 3:10:01 PM



#32
 1,1,1-Trichloroethane
 Concen: 21.505 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.3	76.9
61	48.5	38.4	57.6





#33

Carbon Tetrachloride

Concen: 21.224 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

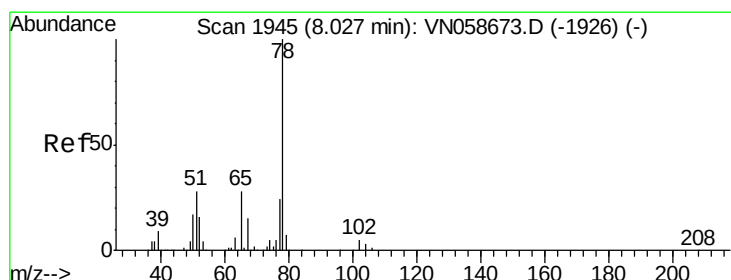
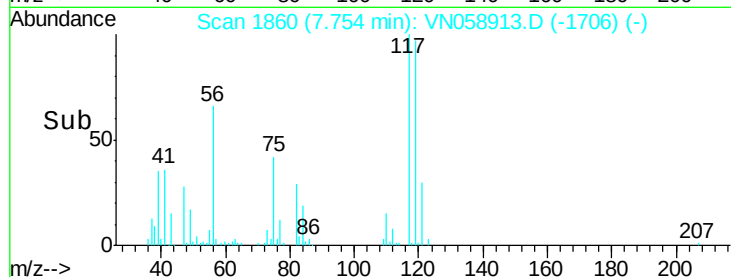
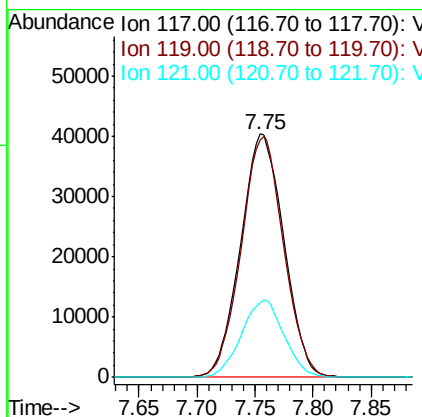
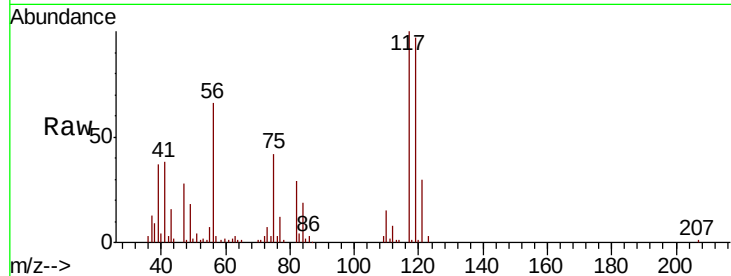
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	104750
Ion Ratio	Lower	Upper	
117	100		
119	97.4	76.9	115.3
121	30.4	23.8	35.8

Manual Integrations
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MMDadoda
10/23/2019 3:10:01 PM



#34

Benzene

Concen: 21.212 ug/l

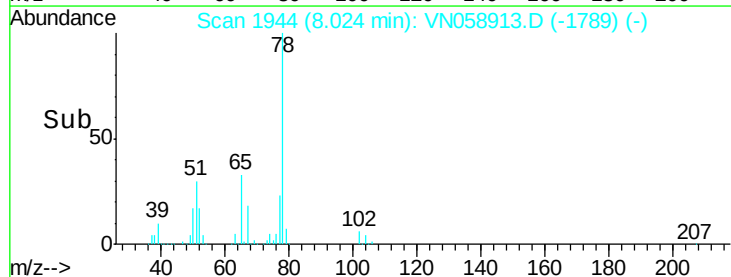
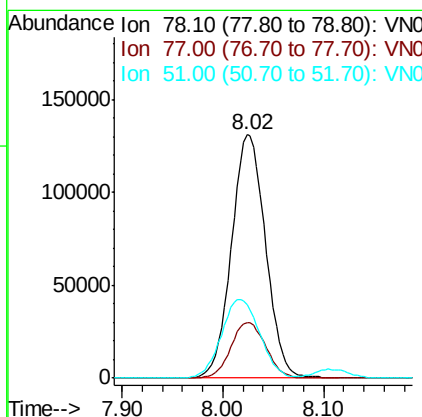
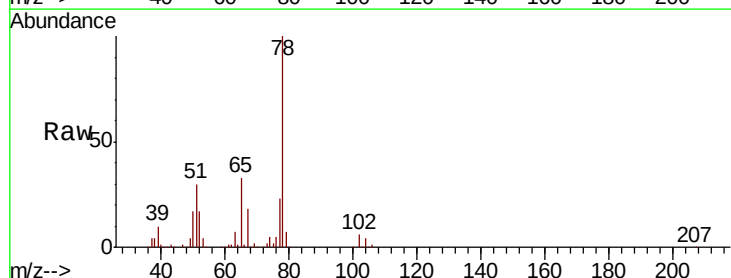
RT: 8.02 min Scan# 1944

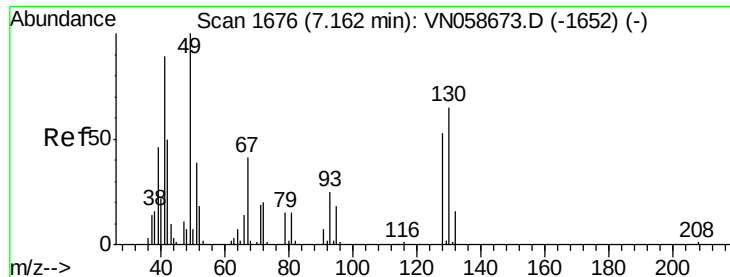
Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion:	78	Resp:	307860
Ion Ratio	Lower	Upper	
78	100		
77	22.9	19.2	28.8
51	29.8	22.1	33.1





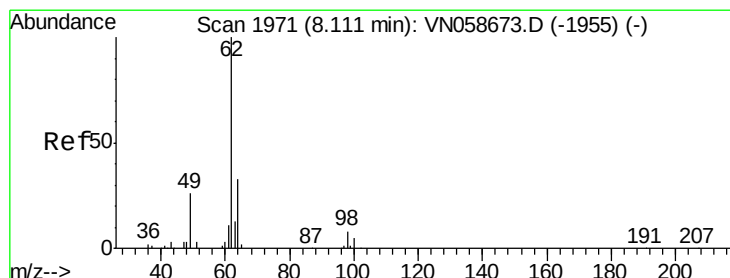
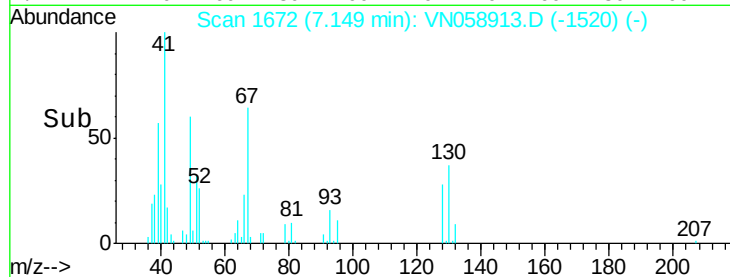
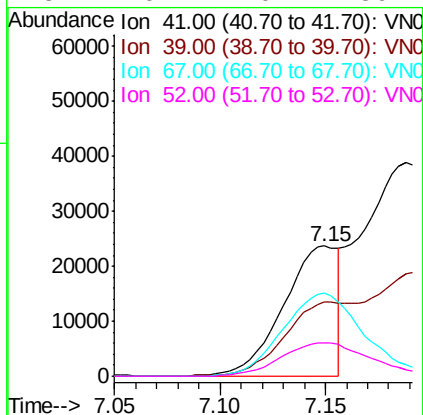
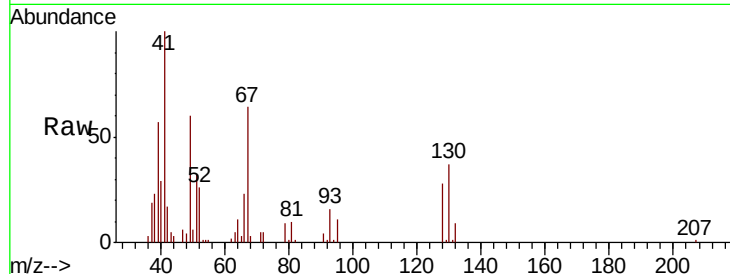
#35
Methacrylonitrile
Concen: 17.364 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.1	25.8	77.4	
67	64.2	23.0	69.0	
52	26.1	10.1	30.1	

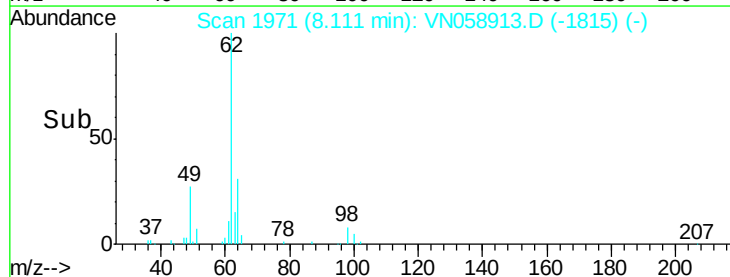
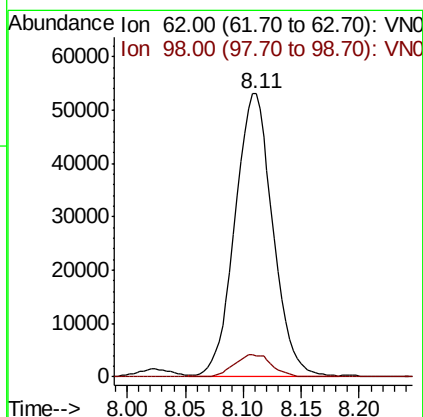
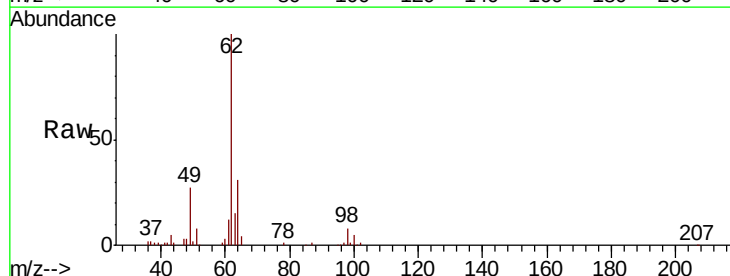
Manual Integrations
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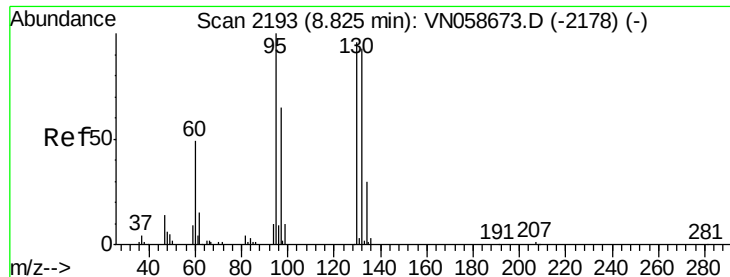
MMDadoda
10/23/2019 3:10:01 PM



#36
1,2-Dichloroethane
Concen: 21.793 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	6.4	9.6	





#37

Trichloroethene

Concen: 20.767 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 74046

Ion Ratio Lower Upper

130 100

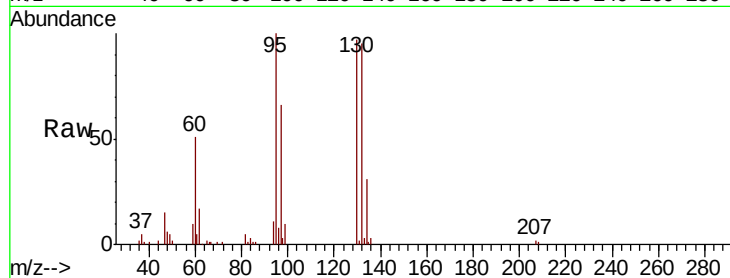
95 102.7 83.2 124.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

40000

30000

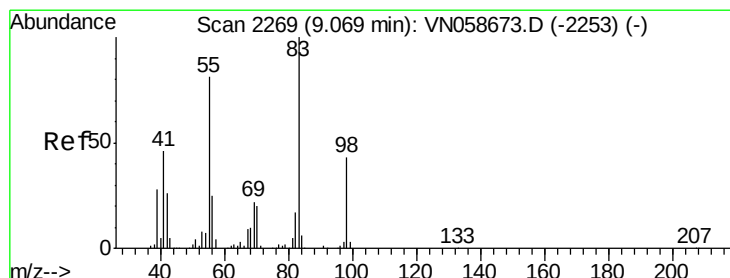
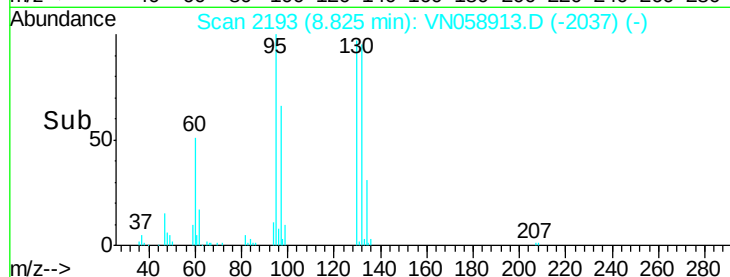
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.202 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

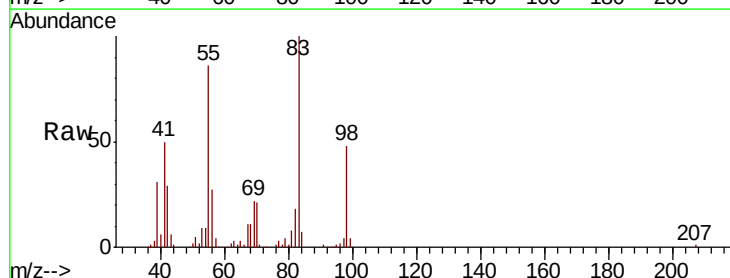
Tgt Ion: 83 Resp: 109755

Ion Ratio Lower Upper

83 100

55 84.8 40.4 121.1

98 45.4 21.6 65.0



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

9.07

60000

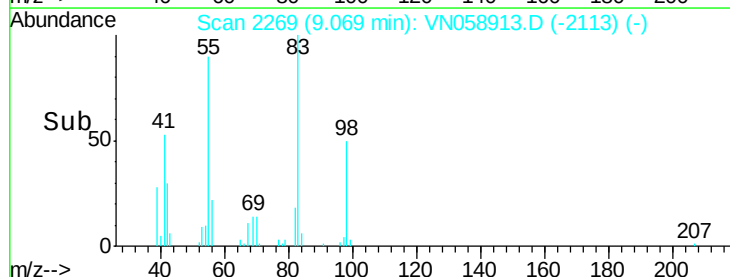
40000

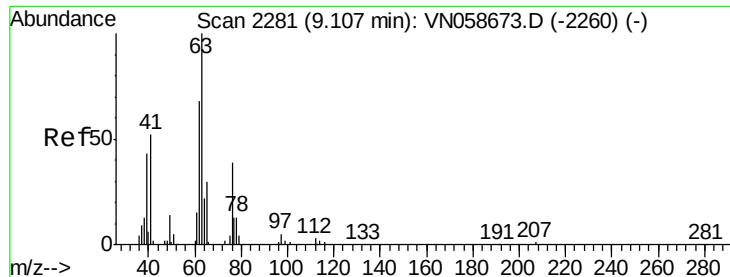
20000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 21.812 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 86516

Ion Ratio Lower Upper

63 100

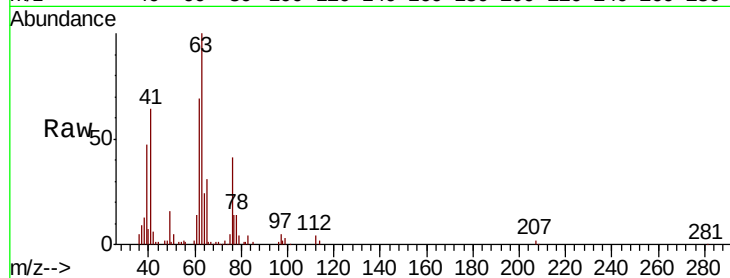
65 31.3 23.8 35.6

Manual Integrations

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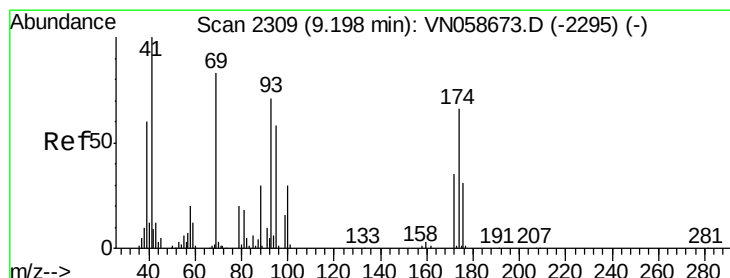
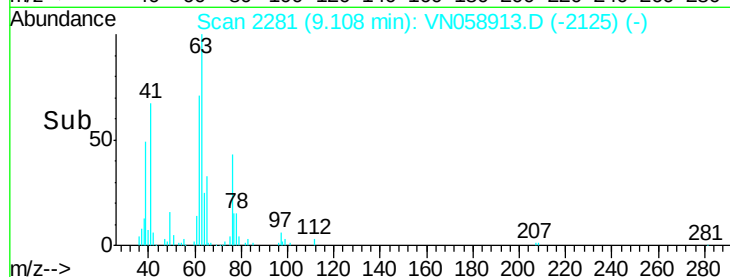
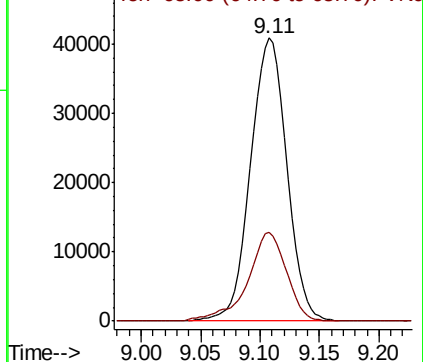
MMDadoda

10/23/2019 3:10:01 PM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.317 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

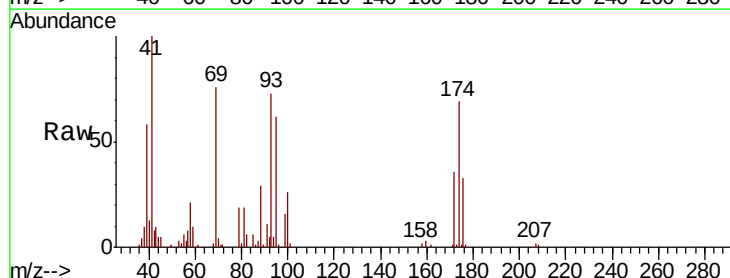
Tgt Ion: 93 Resp: 53375

Ion Ratio Lower Upper

93 100

95 83.7 0.0 167.6

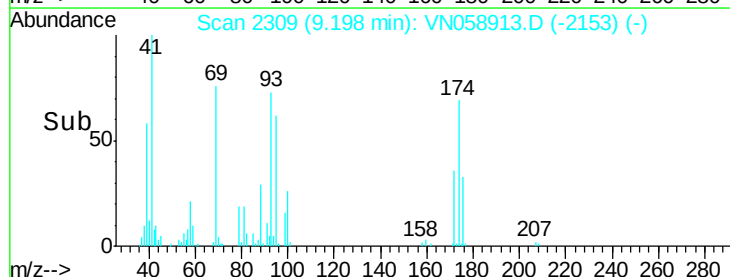
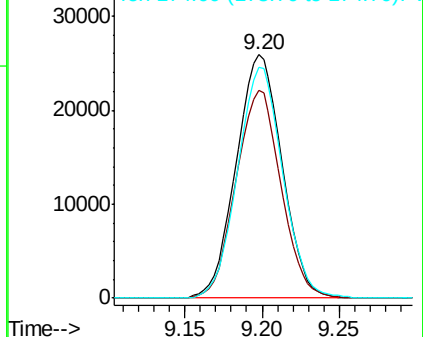
174 93.6 0.0 187.2

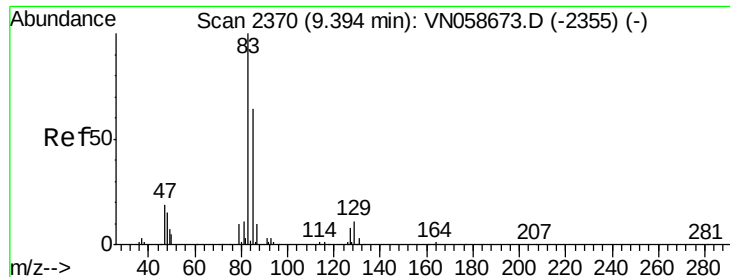


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 21.517 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

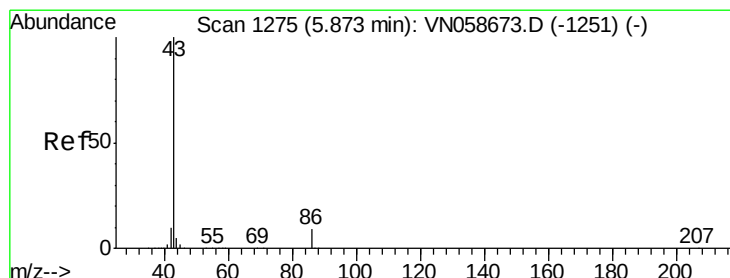
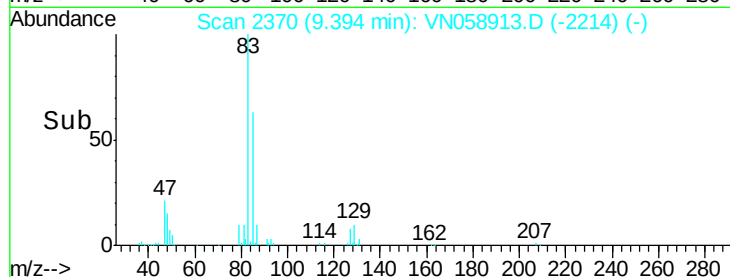
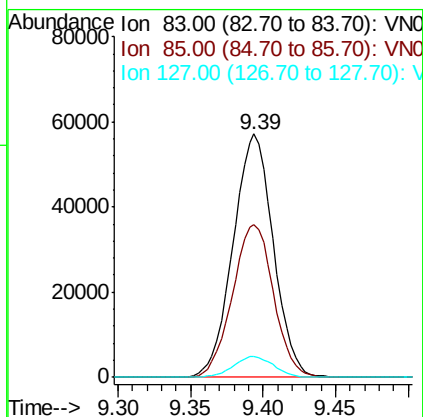
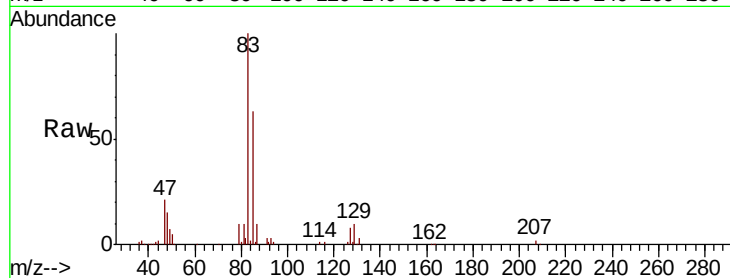
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	110066
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.0	76.4
127	8.4	6.6	9.8

Manual Integrations
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MMDadoda
10/23/2019 3:10:01 PM



#42

Vinyl Acetate

Concen: 109.655 ug/l

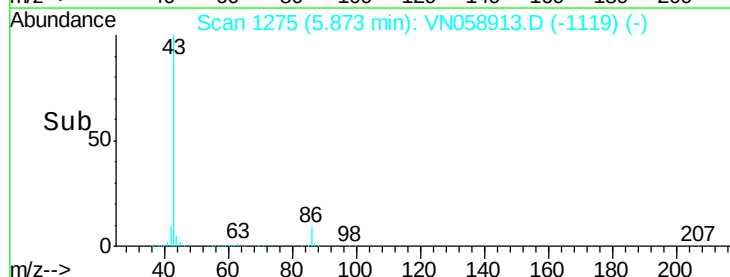
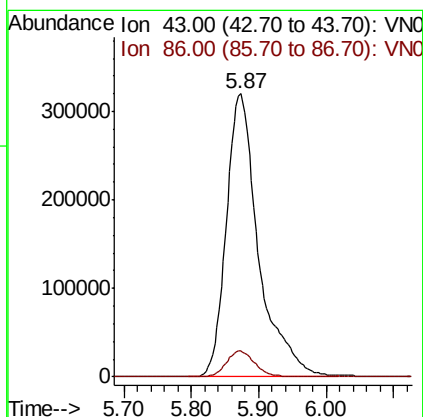
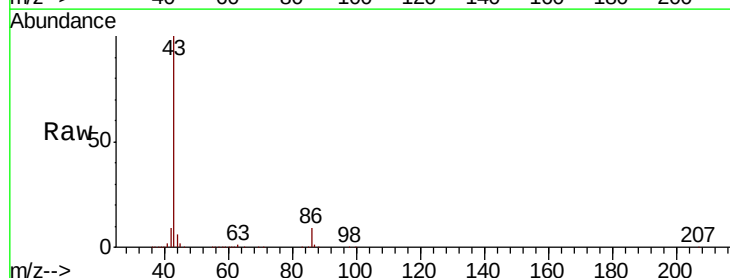
RT: 5.87 min Scan# 1275

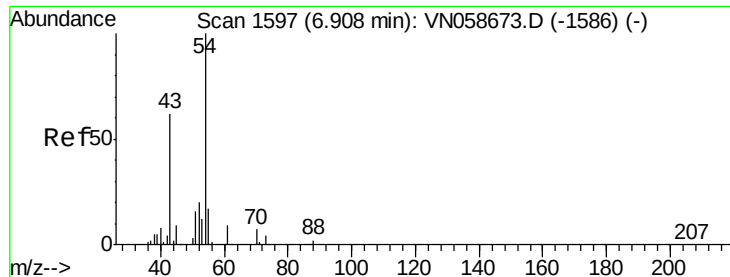
Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion:	43	Resp:	1069873
Ion Ratio	Lower	Upper	
43	100		
86	8.1	6.5	9.7





#43

Ethyl Acetate

Concen: 19.855 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 108567

Ion Ratio Lower Upper

43 100

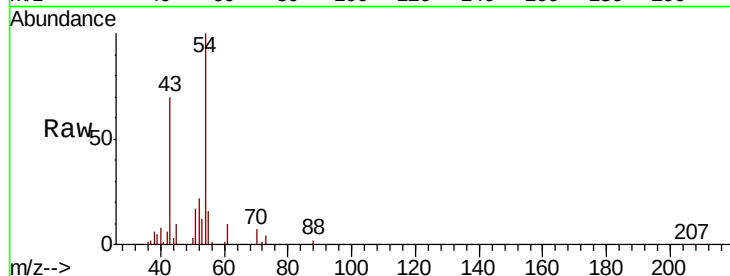
45 13.6 9.7 14.5

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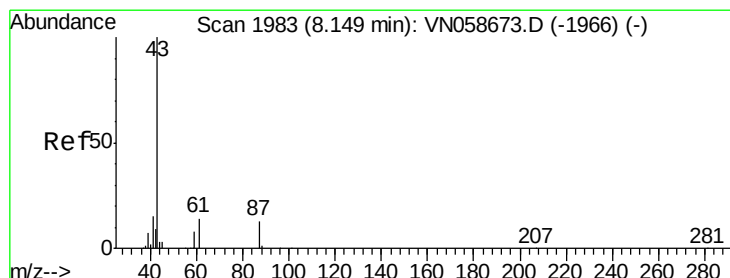
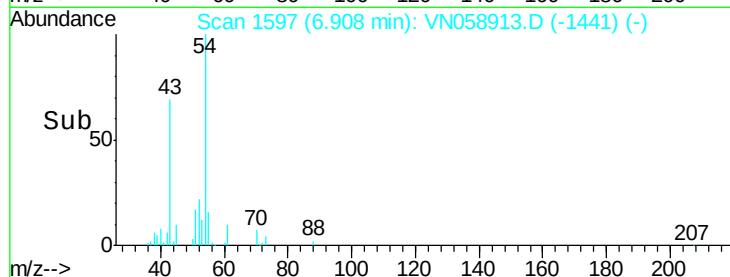
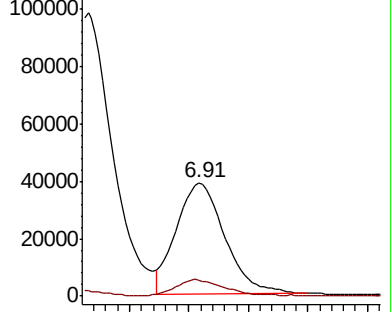
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.102 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058913.D

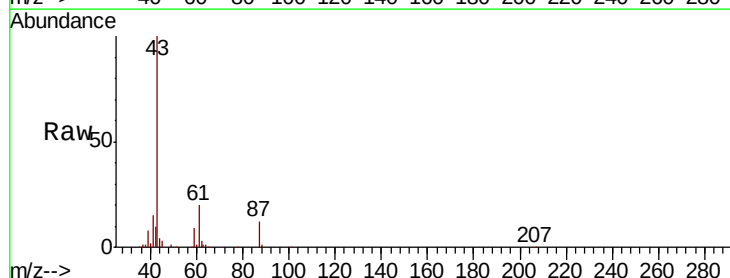
Acq: 22 Oct 2019 16:52

Tgt Ion: 43 Resp: 178044

Ion Ratio Lower Upper

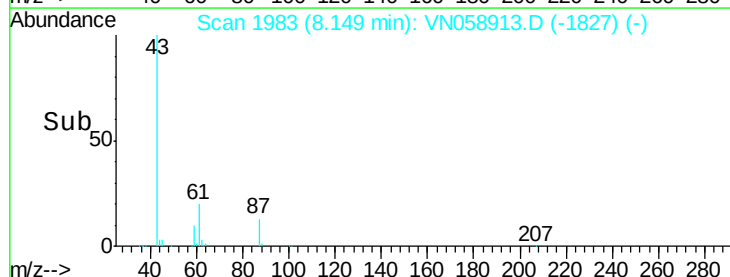
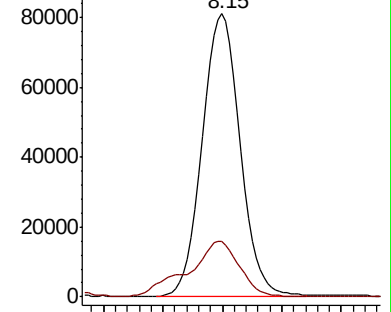
43 100

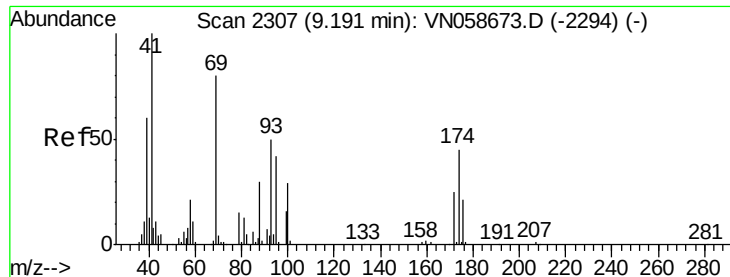
61 20.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





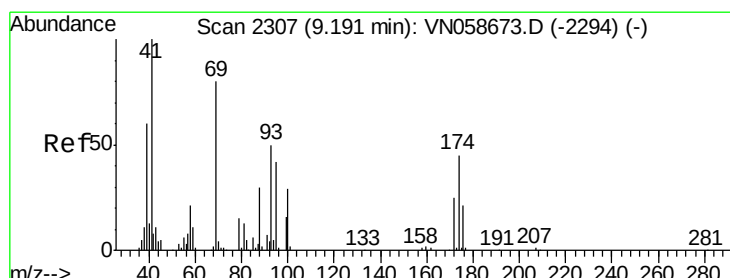
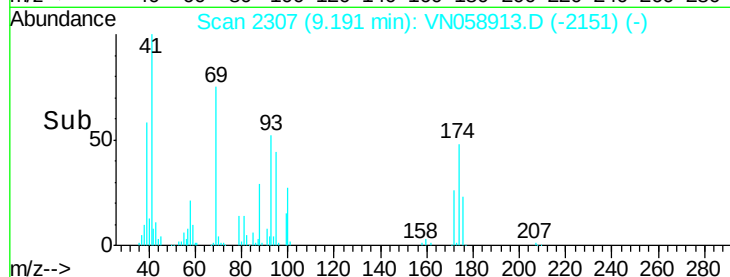
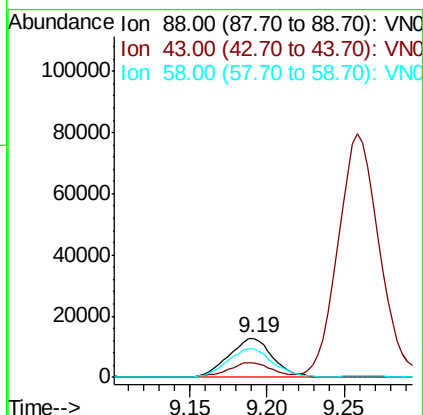
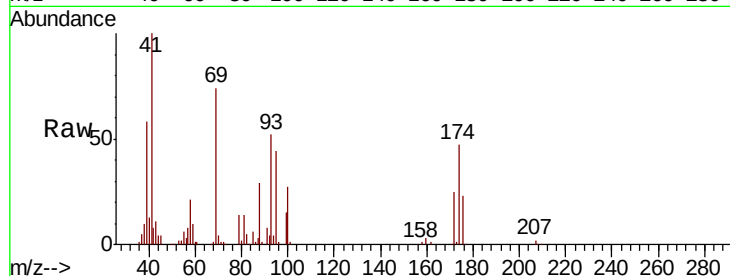
#45
 1,4-Dioxane
 Concen: 375.015 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	29.8	44.8
58	75.7	58.2	87.4

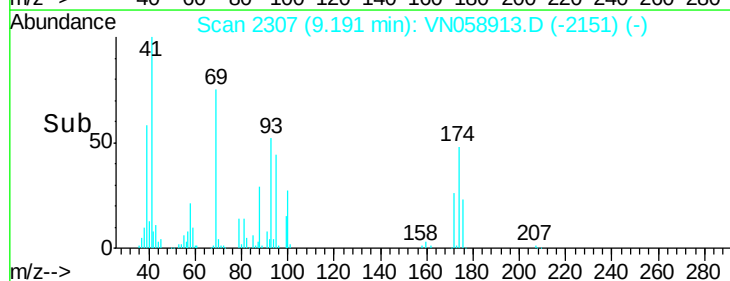
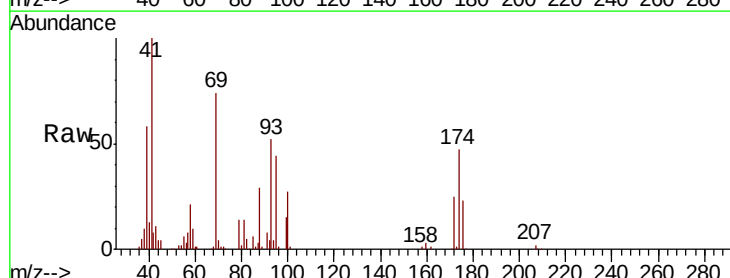
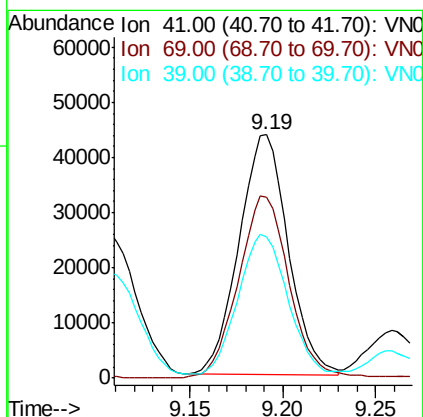
Manual Integrations
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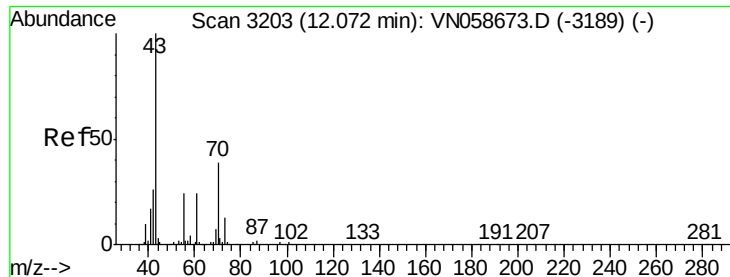
MMDadoda
 10/23/2019 3:10:01 PM



#46
 Methyl methacrylate
 Concen: 19.688 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.1	40.2	120.5
39	57.3	29.9	89.8





#47

n-amvl Acetate

Concen: 18.291 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 143610

Ion Ratio Lower Upper

43 100

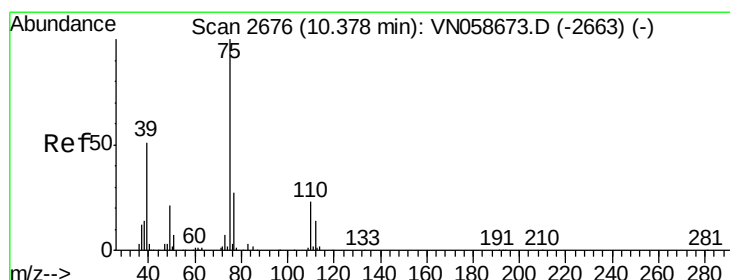
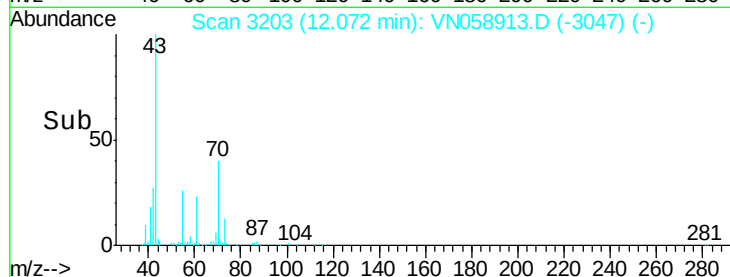
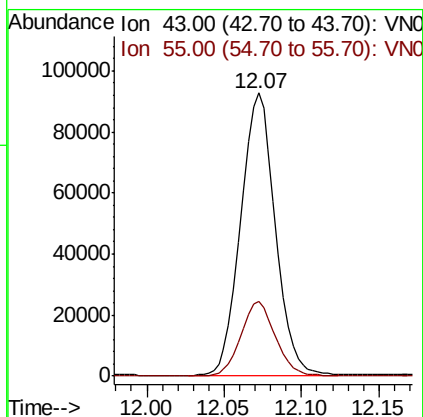
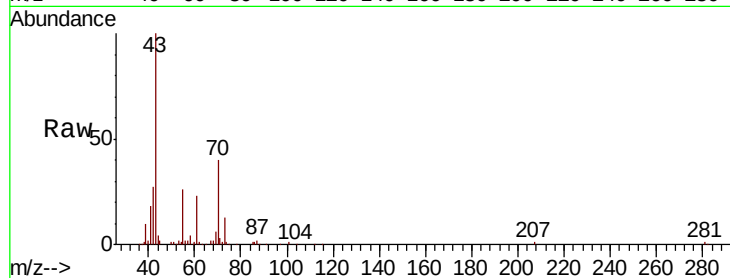
55 26.7 19.6 29.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.447 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058913.D

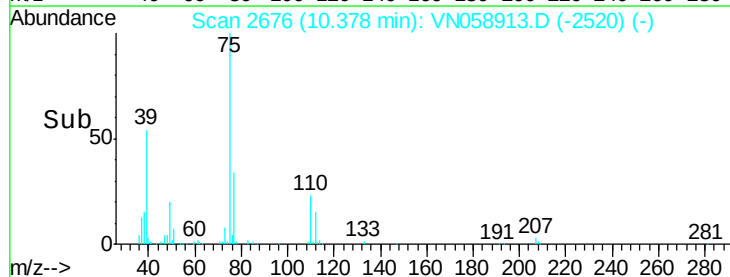
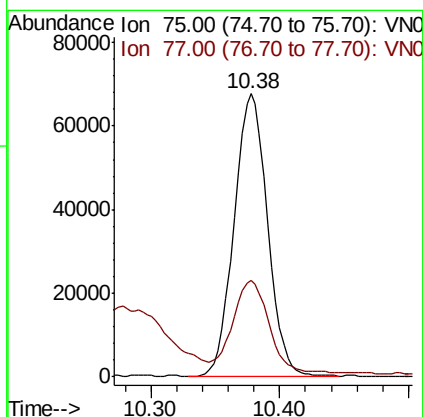
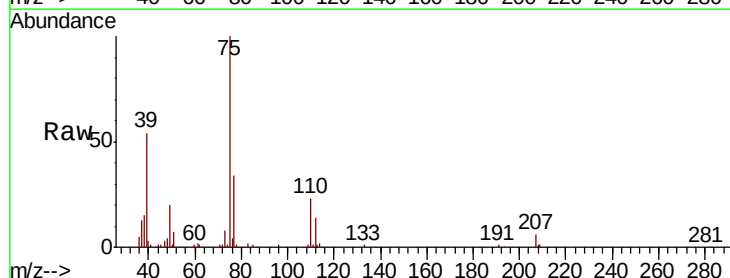
Acq: 22 Oct 2019 16:52

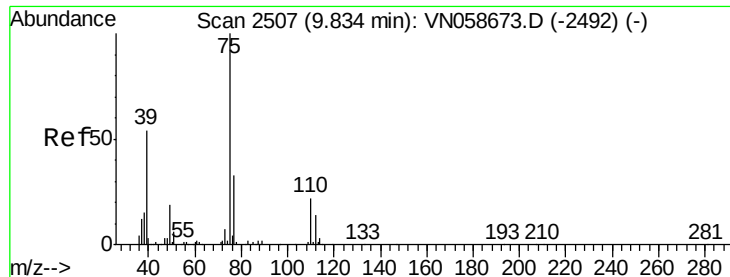
Tgt Ion: 75 Resp: 121299

Ion Ratio Lower Upper

75 100

77 32.6 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 21.196 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

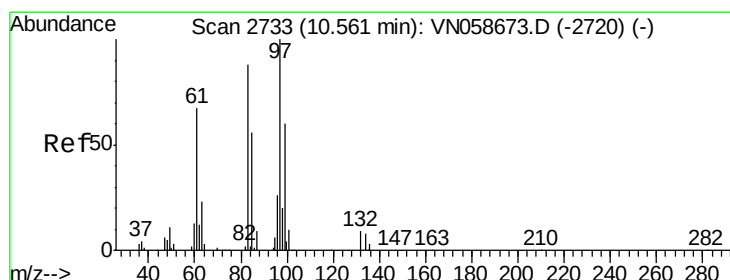
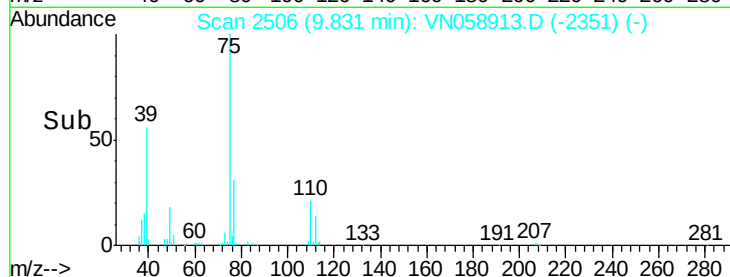
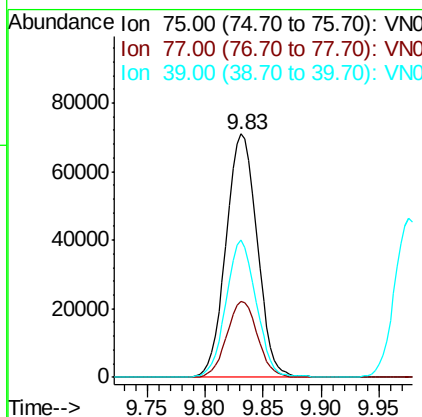
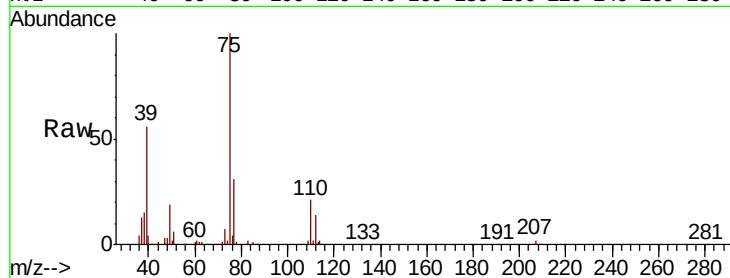
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	132042
Ion Ratio	Lower	Upper	
75	100		
77	31.0	26.1	39.1
39	56.0	43.1	64.7

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 21.133 ug/l

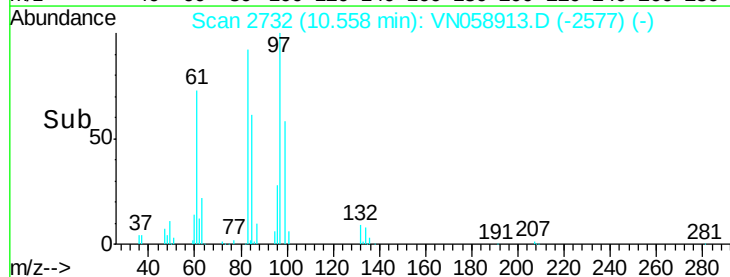
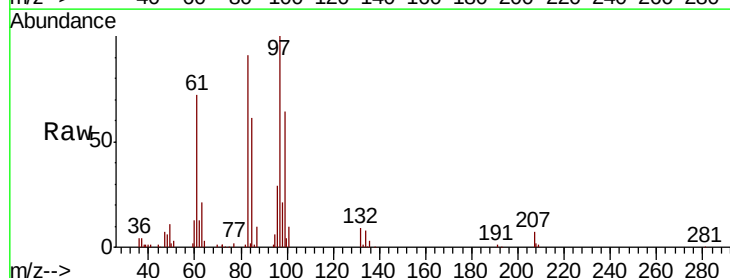
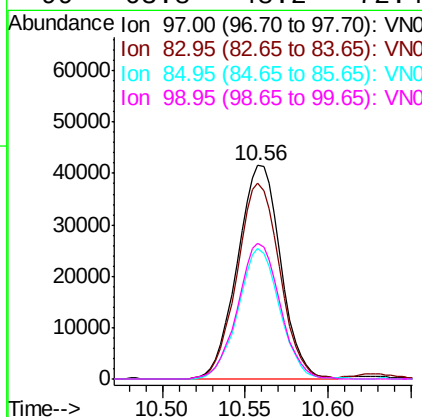
RT: 10.56 min Scan# 2732

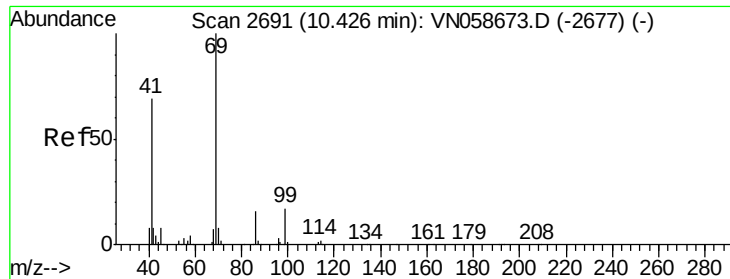
Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion:	97	Resp:	75541
Ion Ratio	Lower	Upper	
97	100		
83	91.4	70.7	106.1
85	61.0	45.1	67.7
99	63.8	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.214 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 69 Resp: 109822

Ion Ratio Lower Upper

69 100

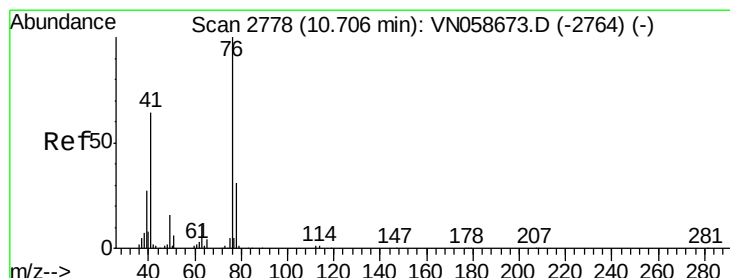
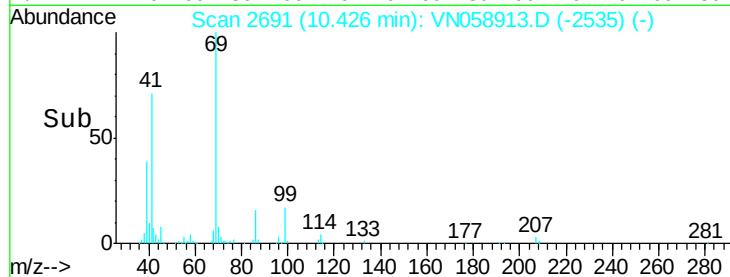
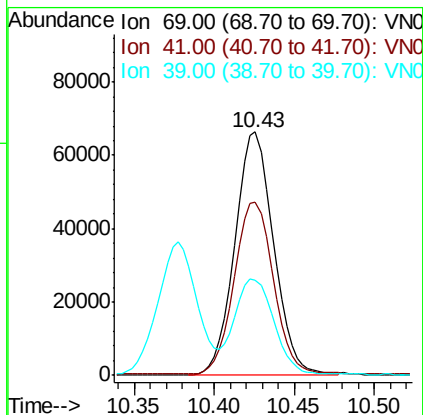
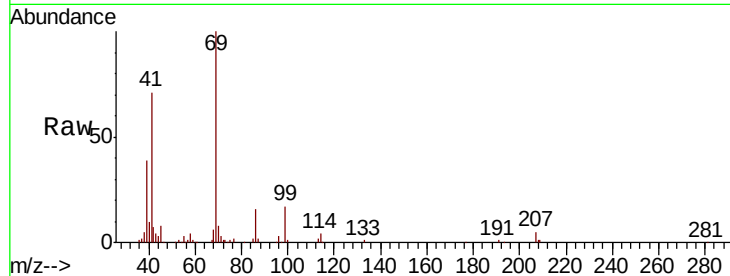
41 70.8 34.7 104.1

39 38.7 20.3 60.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.084 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058913.D

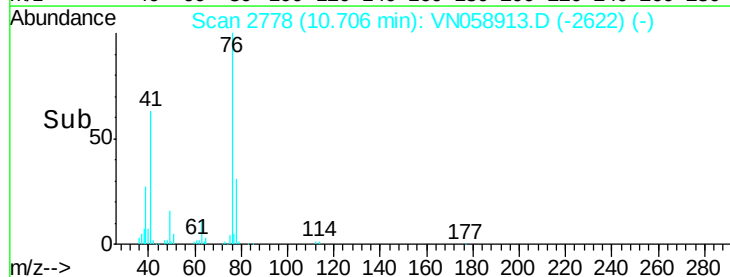
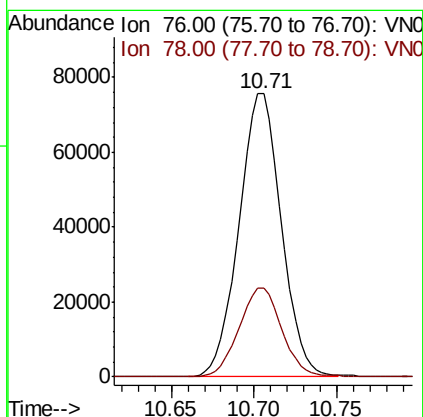
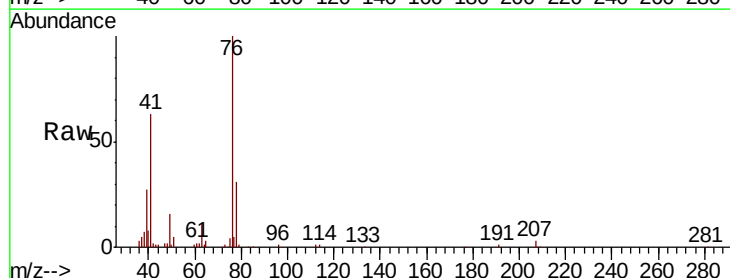
Acq: 22 Oct 2019 16:52

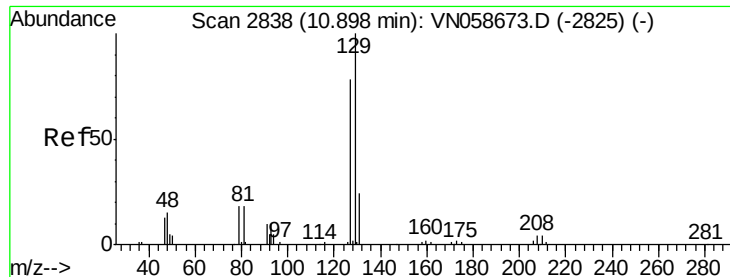
Tgt Ion: 76 Resp: 134213

Ion Ratio Lower Upper

76 100

78 31.8 0.0 63.2





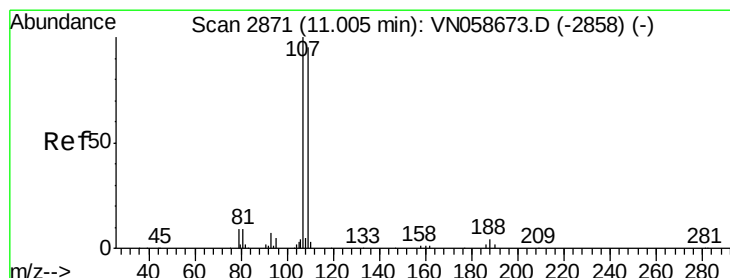
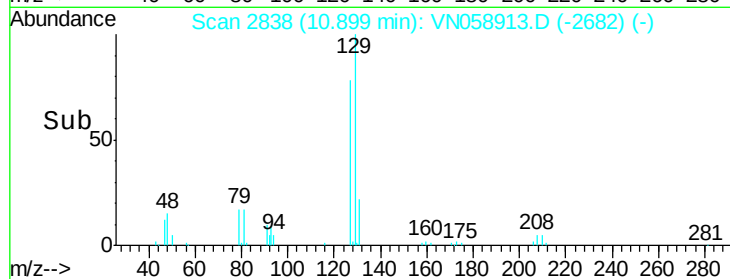
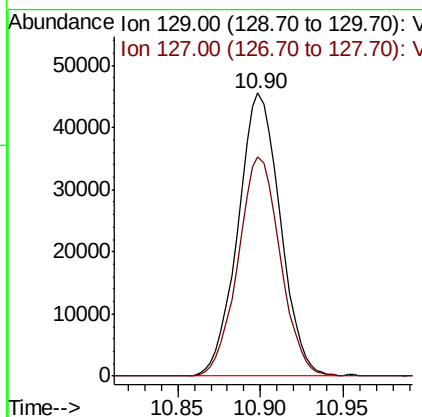
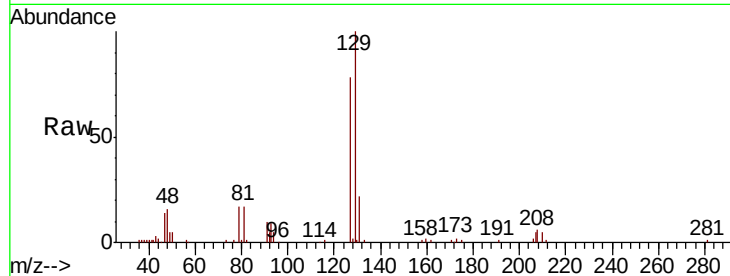
#53
 Dibromochloromethane
 Concen: 21.091 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.0	39.1	117.5	

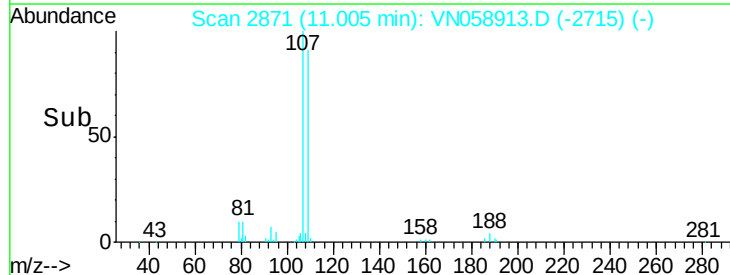
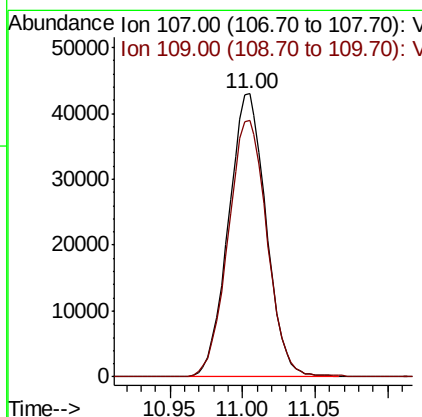
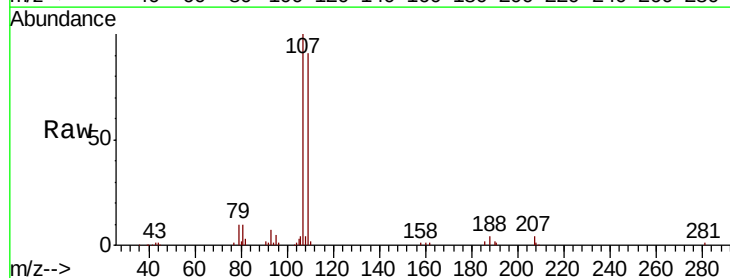
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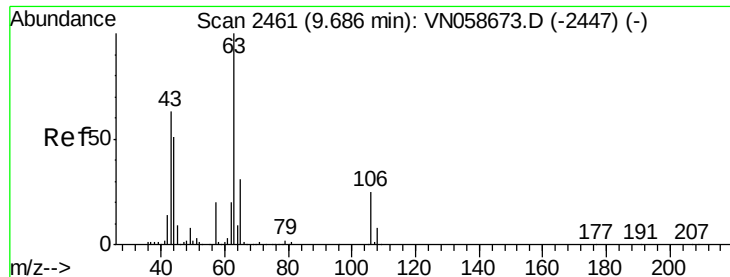
MMDadoda
 10/23/2019 3:10:01 PM



#54
 1,2-Dibromoethane
 Concen: 20.882 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	93.6	76.2	114.4	





#55

2-Chloroethyl vinyl ether

Concen: 92.401 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

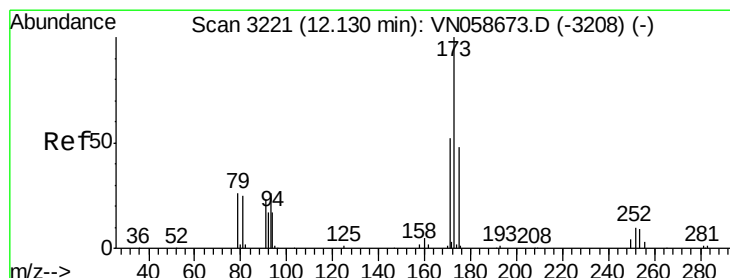
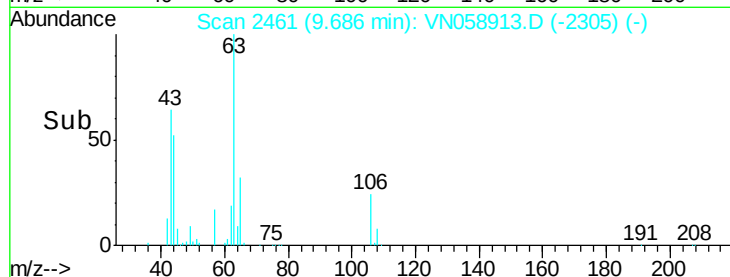
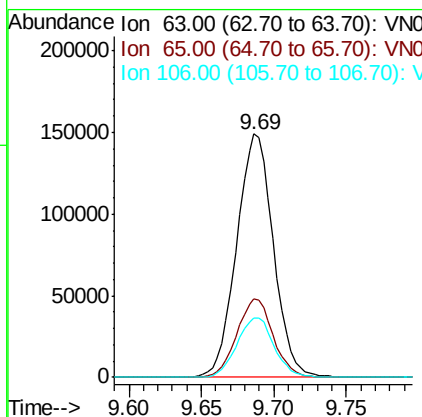
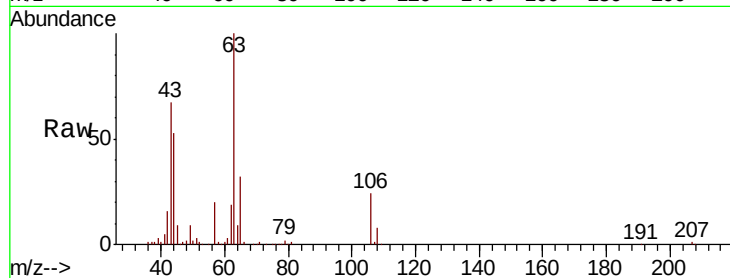
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	262706
Ion Ratio	Lower	Upper	
63	100		
65	31.9	25.3	37.9
106	24.8	19.8	29.6

Manual Integrations
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10/23/2019 3:10:01 PM



#56

Bromoform

Concen: 20.907 ug/l

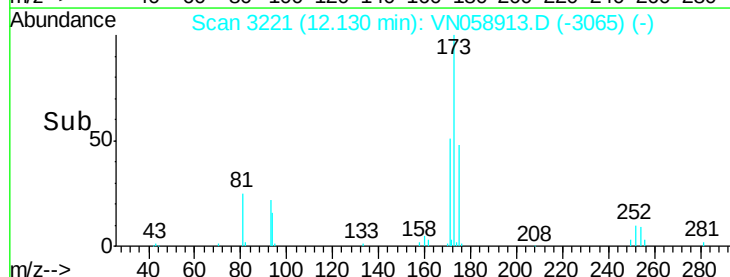
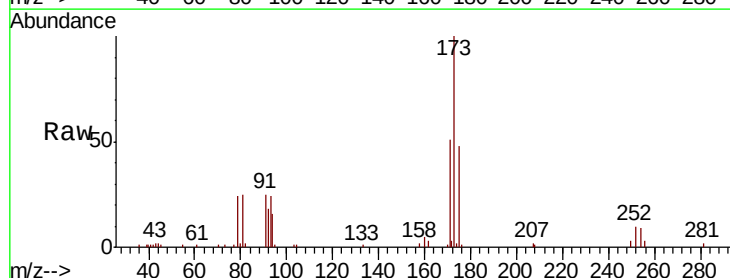
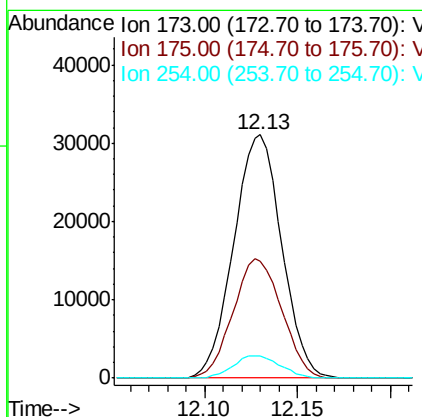
RT: 12.13 min Scan# 3221

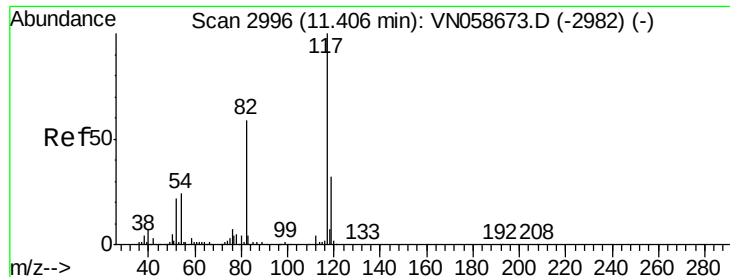
Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion:	173	Resp:	55869
Ion Ratio	Lower	Upper	
173	100		
175	49.7	38.7	58.1
254	8.9	7.4	11.2





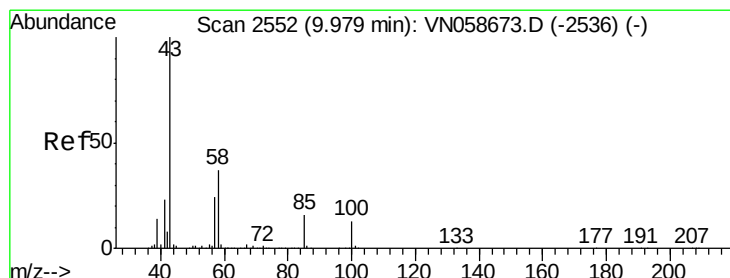
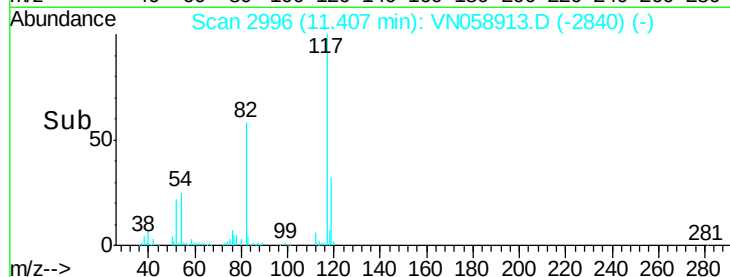
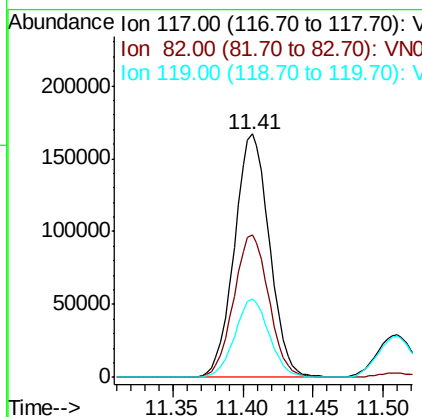
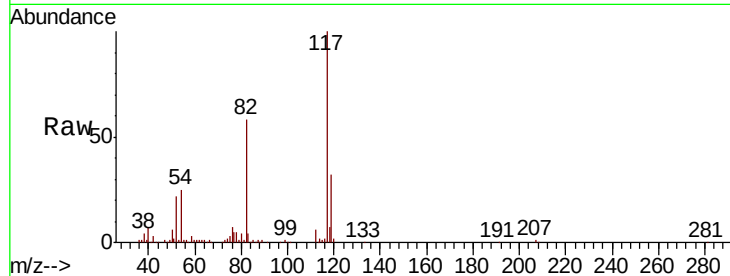
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.9	70.3
119	31.6	25.8	38.6

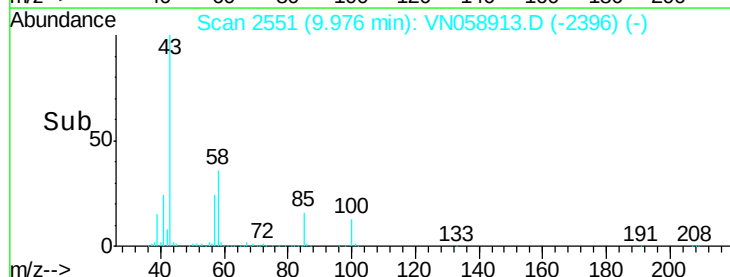
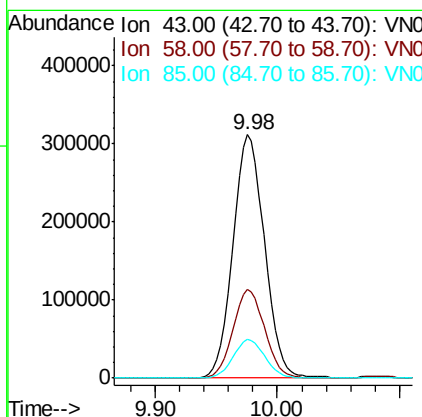
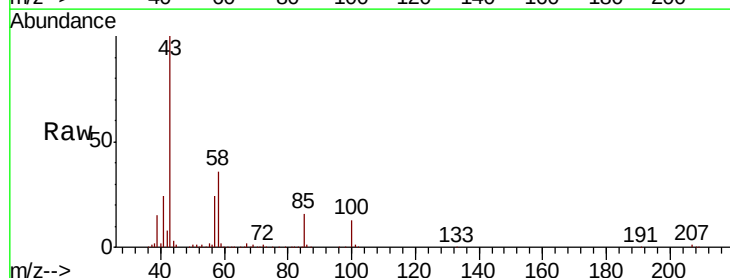
Manual Integrations
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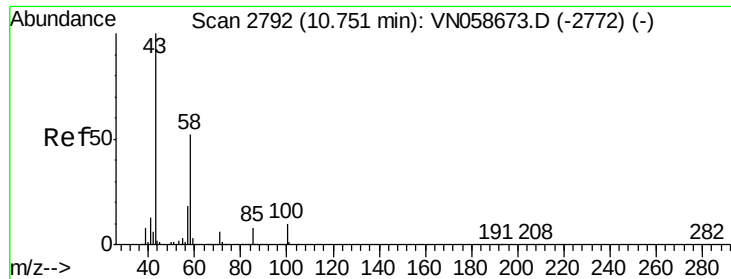
MMDadoda
10/23/2019 3:10:01 PM



#58
4-Methyl-2-Pentanone
Concen: 105.336 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	30.1	45.1
85	15.9	13.2	19.8





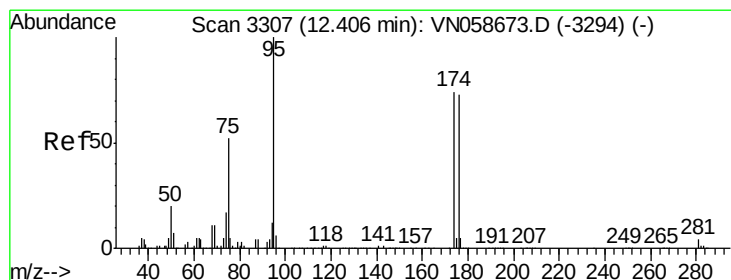
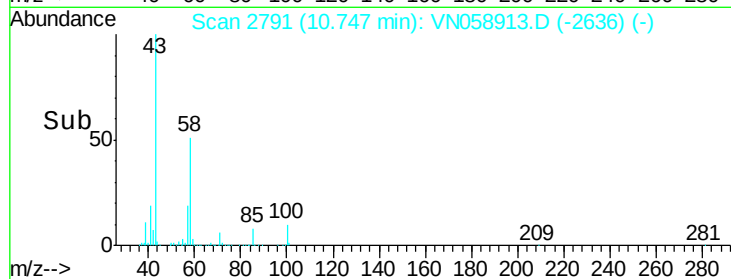
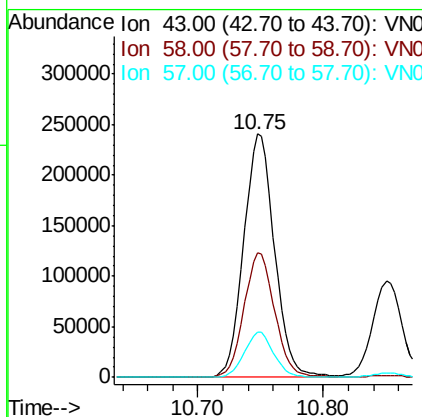
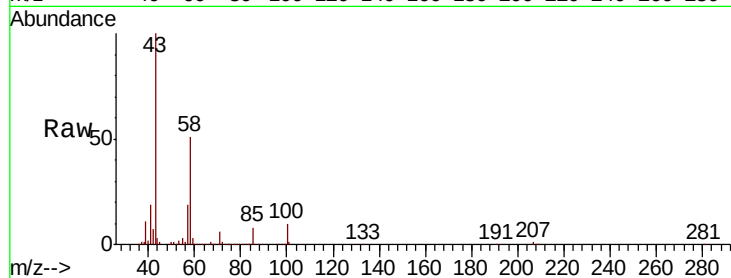
#59
2-Hexanone
Concen: 99.247 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.4	62.0
57	18.0	14.7	22.1

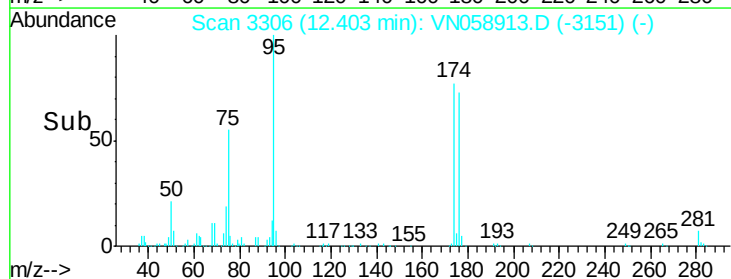
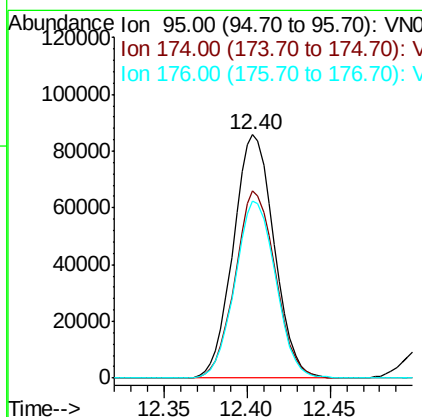
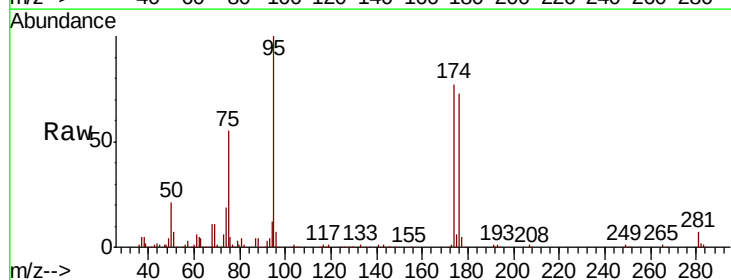
Manual Integrations
APPROVED

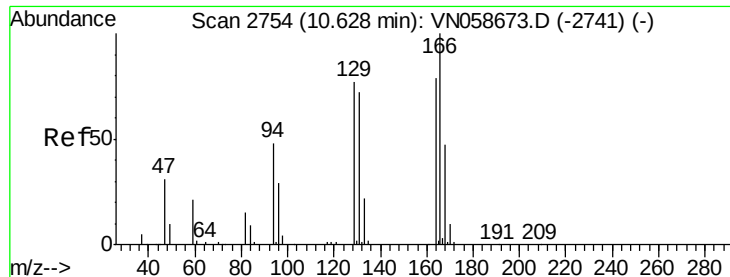
MMDadoda
10/23/2019 3:10:01 PM



#60
4-Bromofluorobenzene
Concen: 28.854 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	59.9	89.9
176	72.6	58.3	87.5





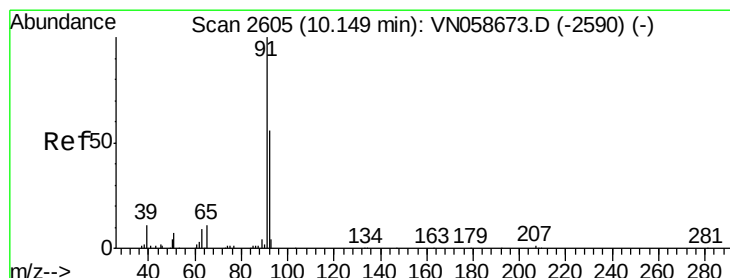
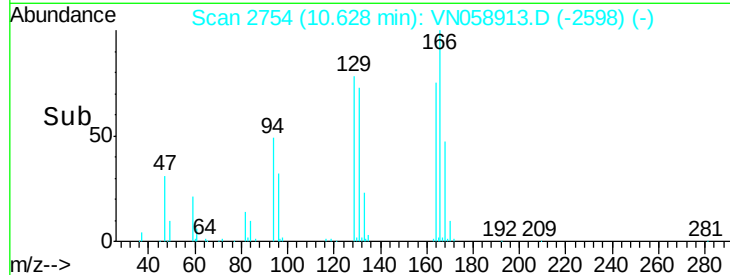
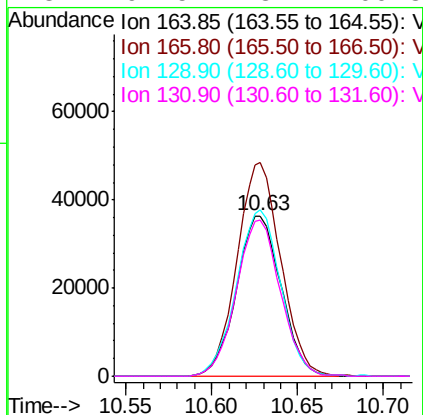
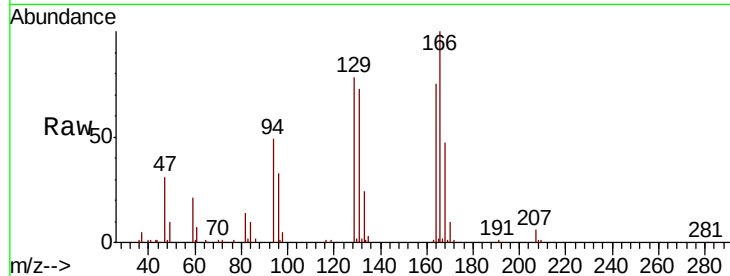
#61
Tetrachloroethene
Concen: 20.791 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	133.0	101.4	152.2
129	103.6	78.1	117.1
131	97.5	73.2	109.8

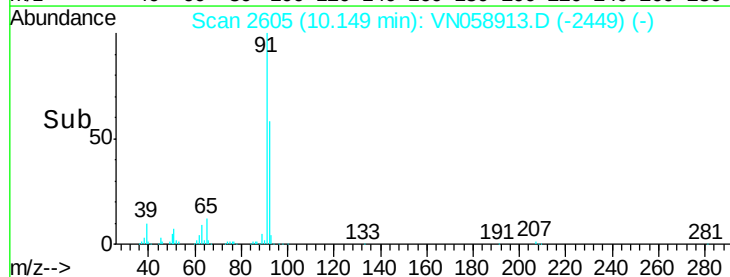
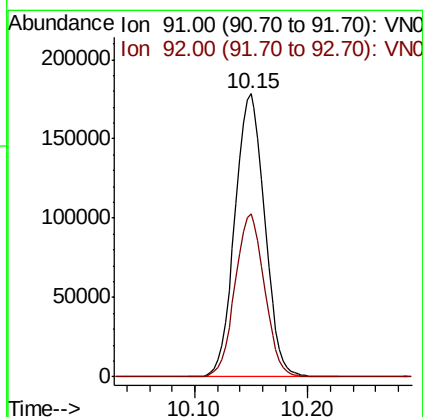
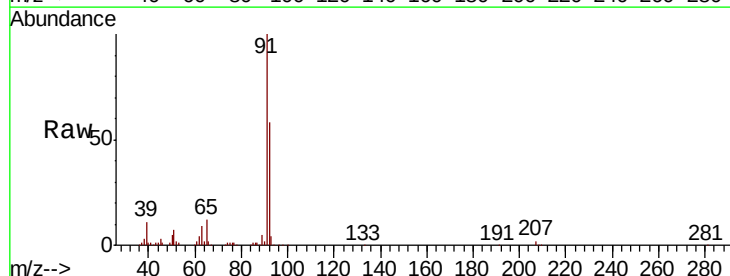
Manual Integrations
APPROVED

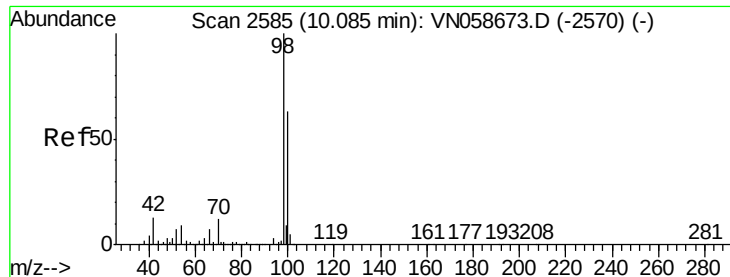
MMDadoda
10/23/2019 3:10:01 PM



#62
Toluene
Concen: 20.988 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.4	68.2





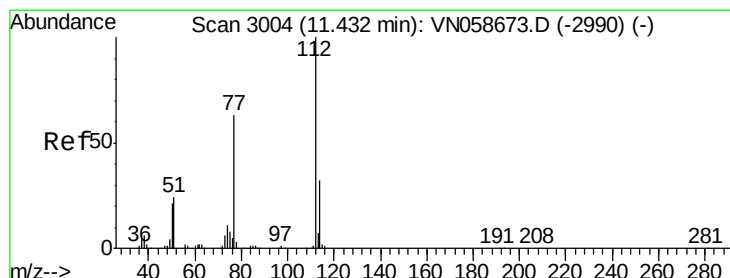
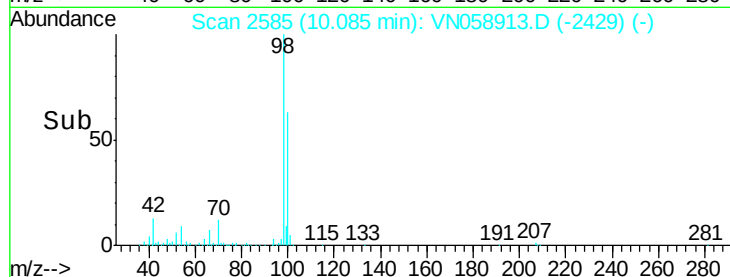
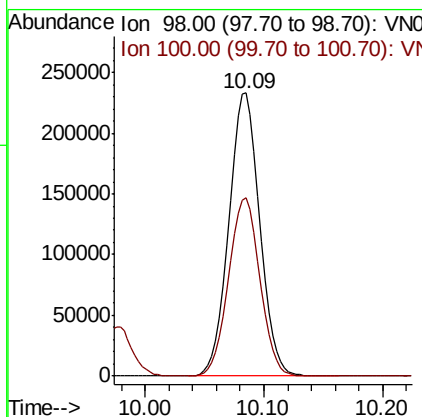
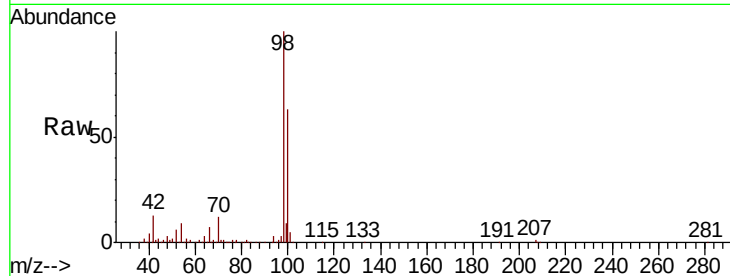
#63
Toluene-d8
Concen: 30.536 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 419256
Ion Ratio Lower Upper
98 100
100 64.0 50.6 75.8

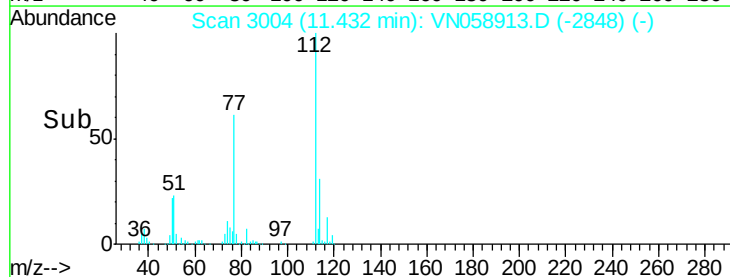
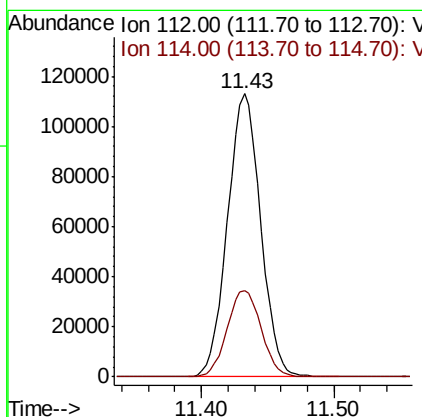
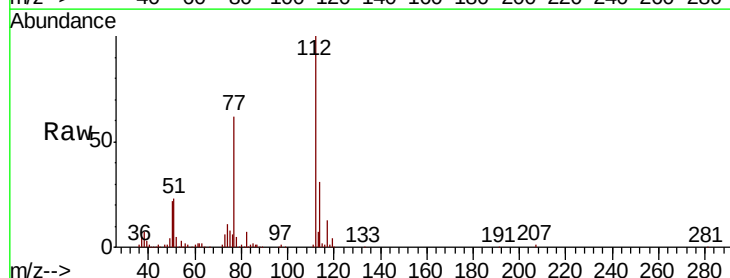
Manual Integrations
APPROVED

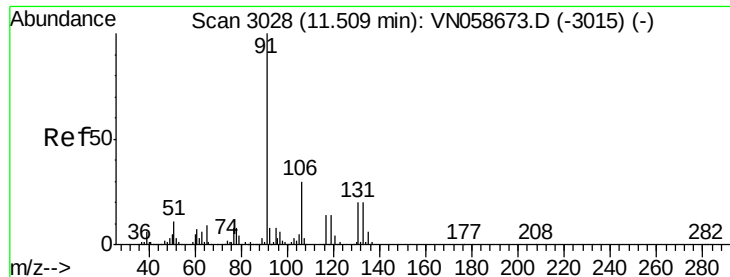
MMDadoda
10/23/2019 3:10:01 PM



#64
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 112 Resp: 196118
Ion Ratio Lower Upper
112 100
114 30.6 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 20.430 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

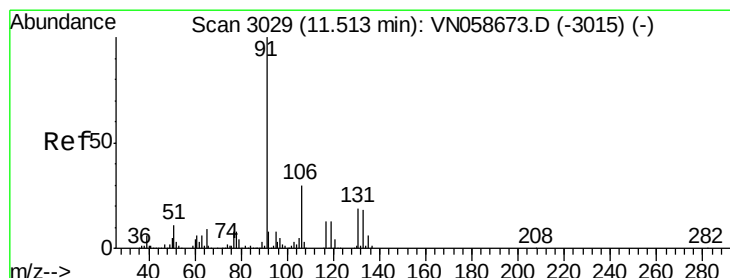
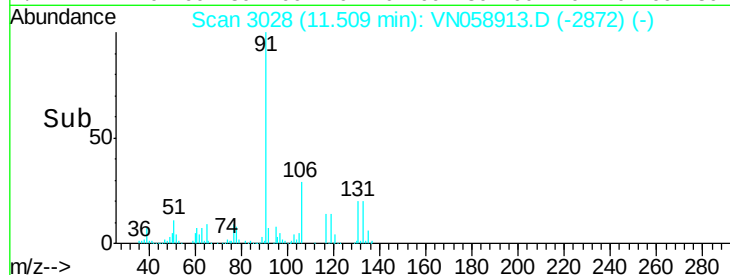
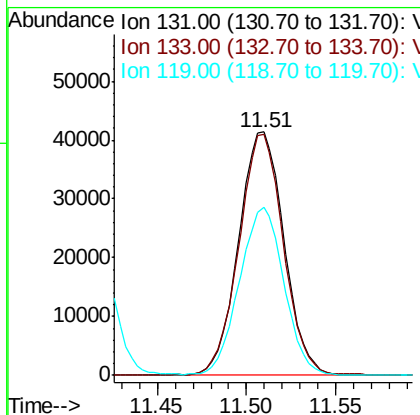
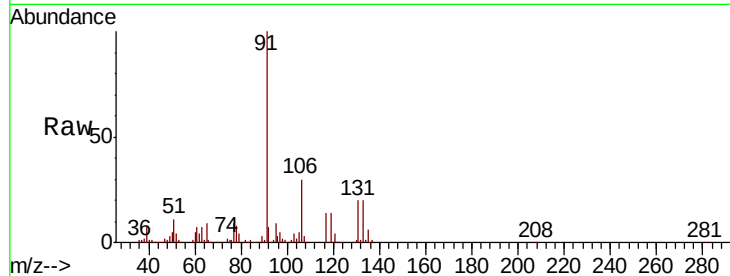
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.4	0.0	194.0
119	68.0	0.0	136.8

Manual Integrations
APPROVED

MMDadoda
10/23/2019 3:10:01 PM



#66

Ethyl Benzene

Concen: 20.149 ug/l

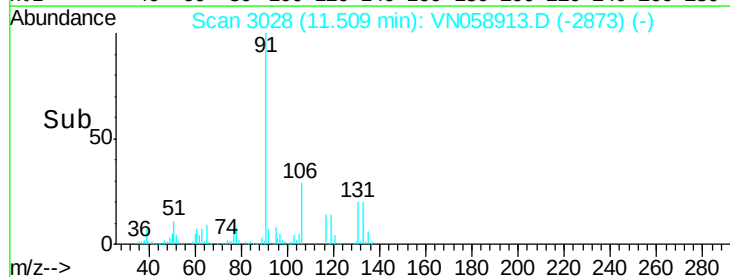
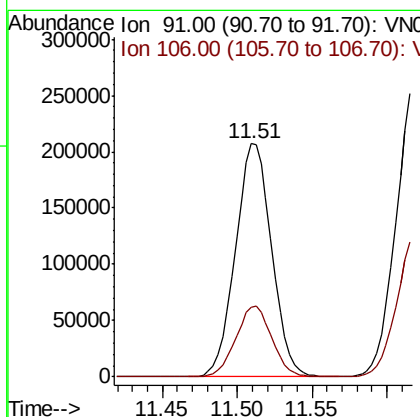
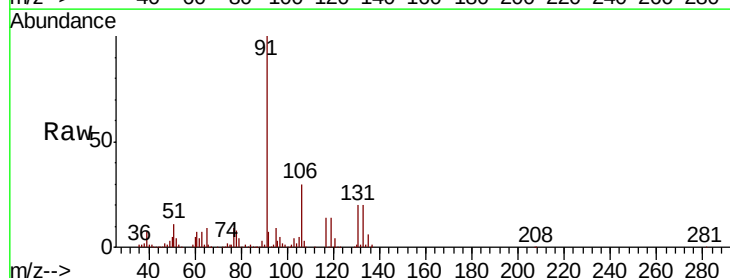
RT: 11.51 min Scan# 3028

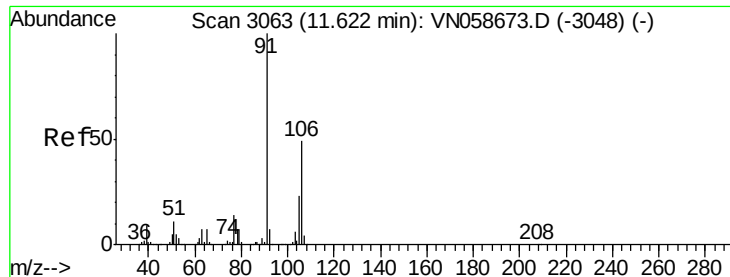
Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4





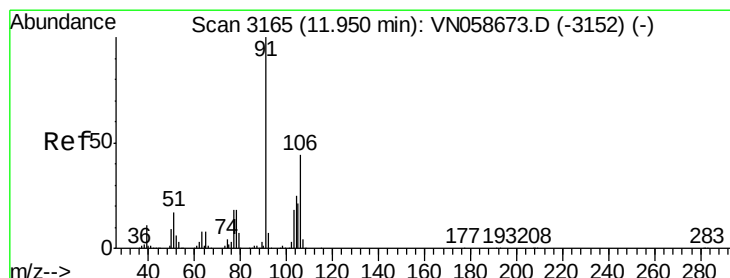
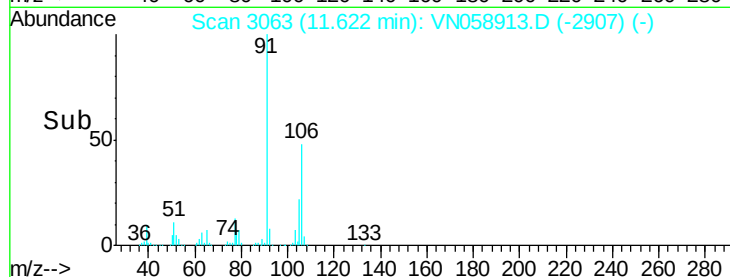
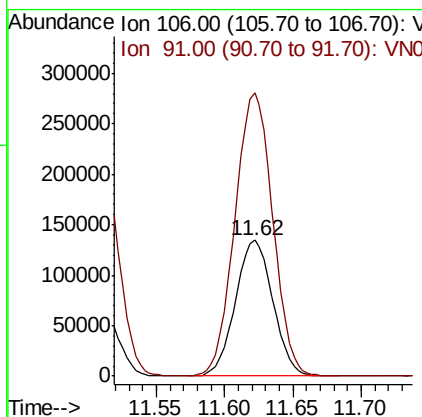
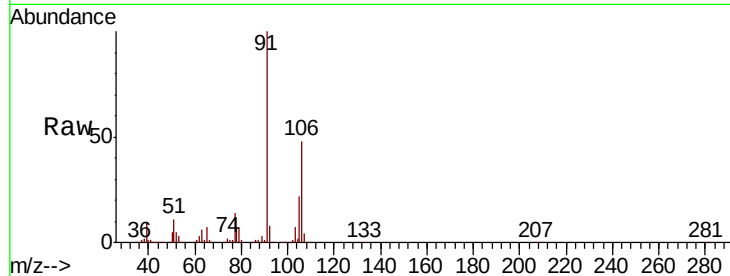
#67
m/p-Xylenes
Concen: 39.691 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 256835
Ion Ratio Lower Upper
106 100
91 210.8 165.6 248.4

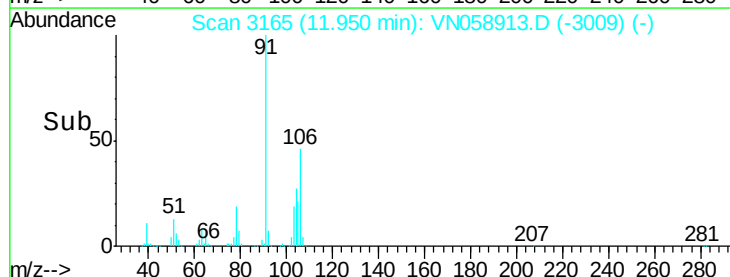
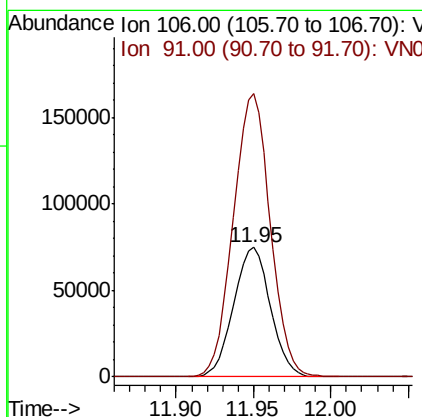
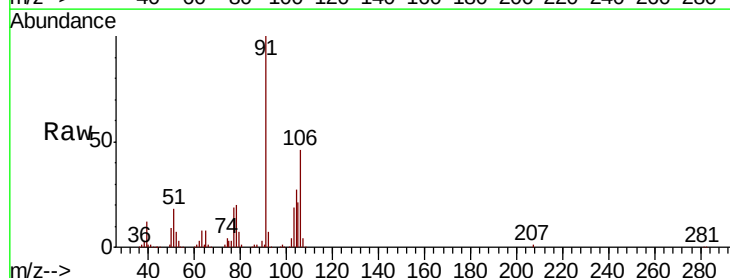
Manual Integrations
APPROVED

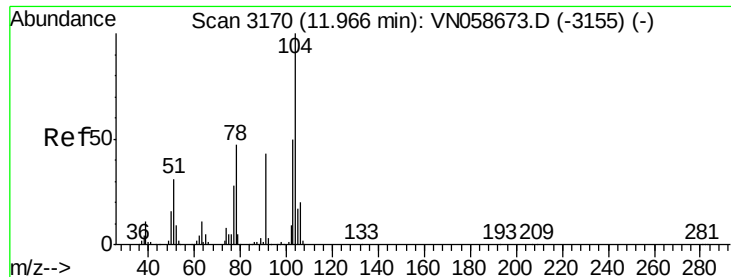
MMDadoda
10/23/2019 3:10:01 PM



#68
o-Xylene
Concen: 19.758 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion:106 Resp: 123946
Ion Ratio Lower Upper
106 100
91 219.5 109.8 329.4





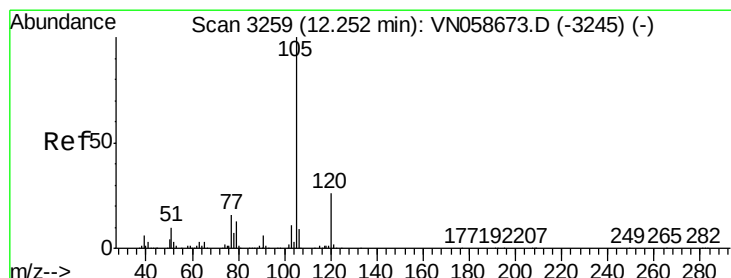
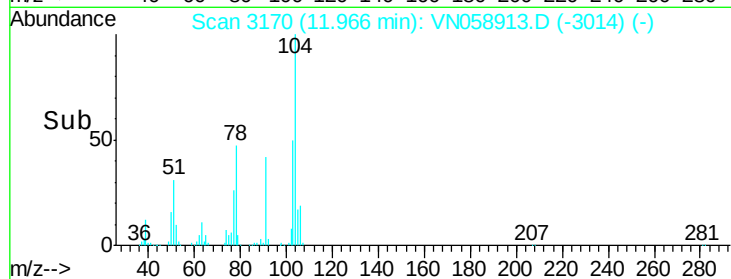
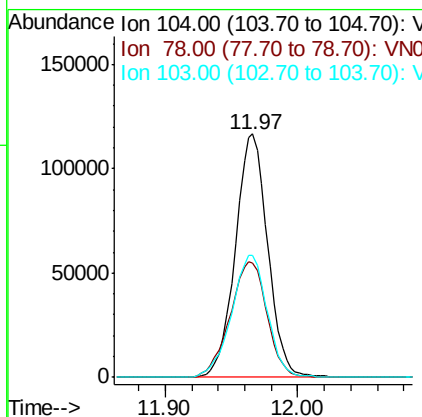
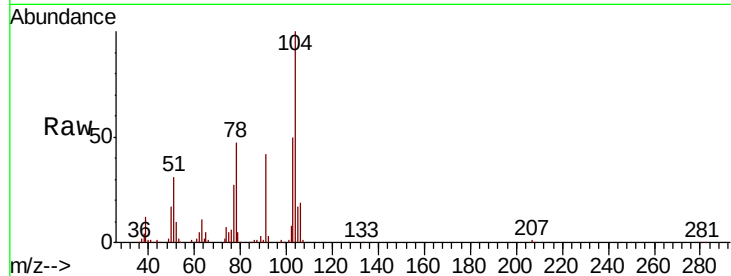
#69
Stvrene
Concen: 19.087 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		197810		
78	54.4	42.4	63.6		
103	55.4	44.6	66.8		

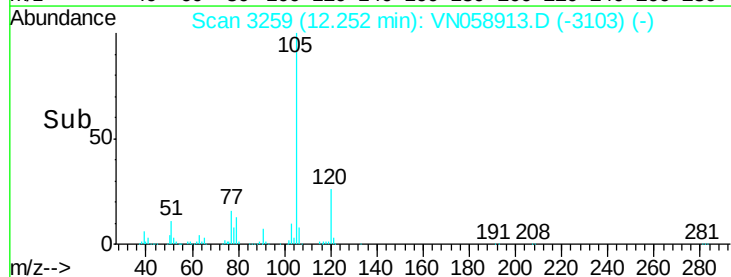
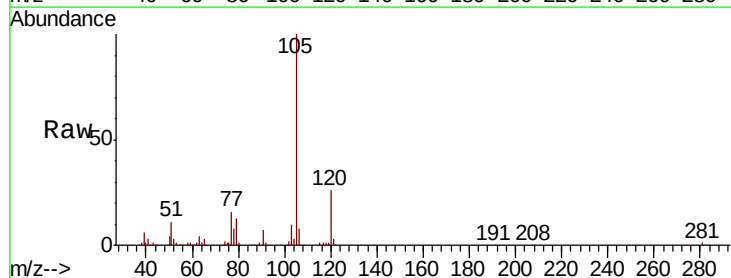
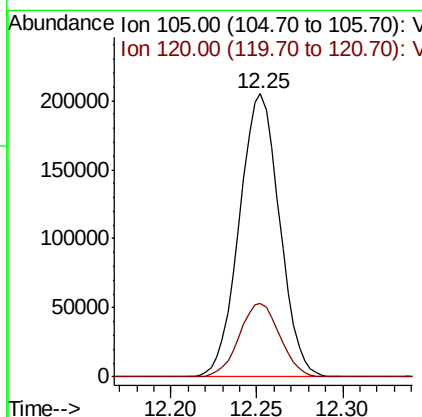
Manual Integrations
APPROVED

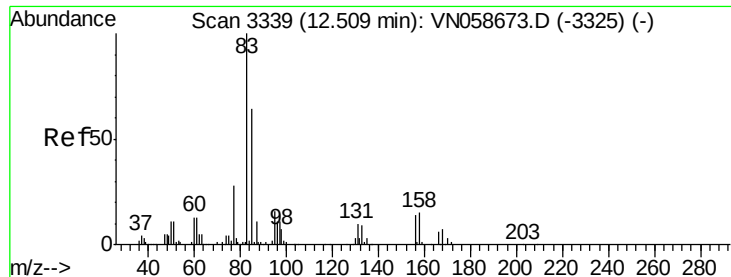
MMDadoda
10/23/2019 3:10:01 PM



#70
Isopropylbenzene
Concen: 19.708 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		333776		
120	26.3	18.4	34.2		





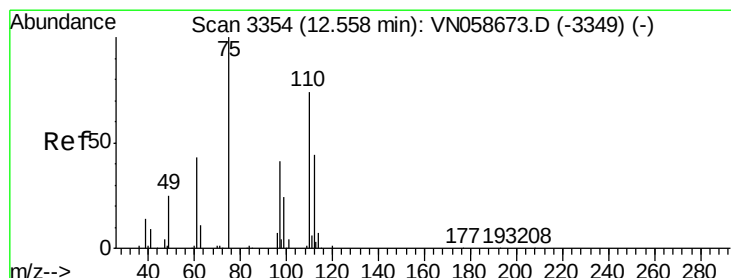
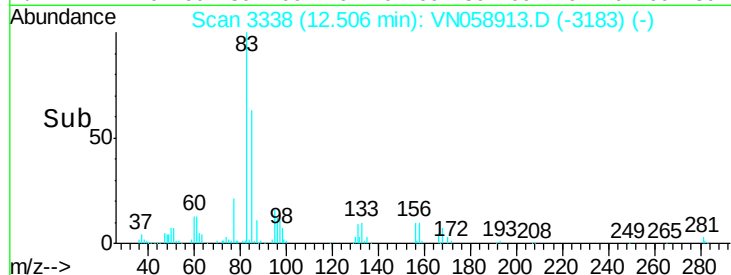
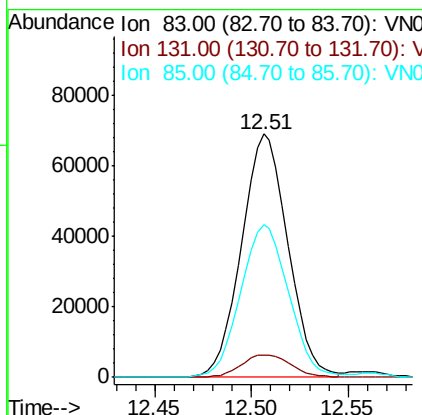
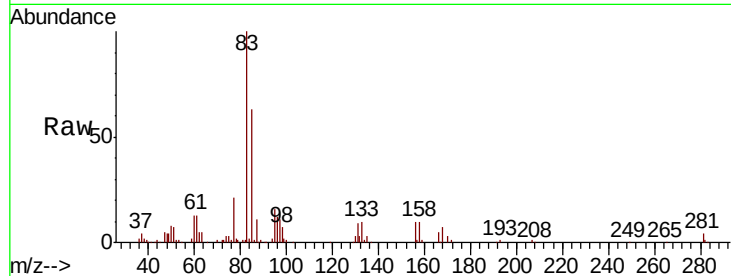
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.180 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	65.0	31.6	94.7

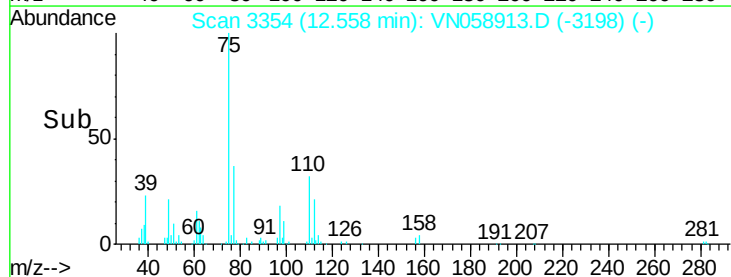
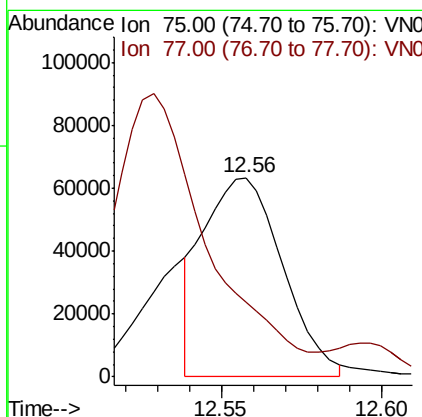
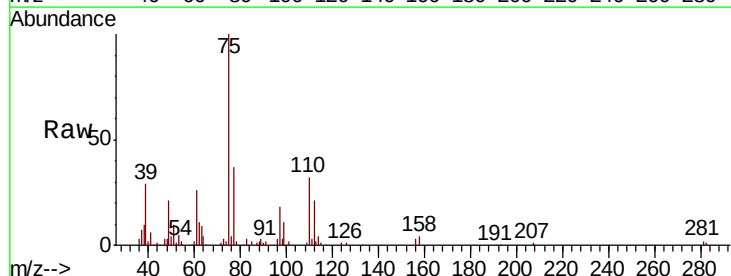
Manual Integrations
 APPROVED

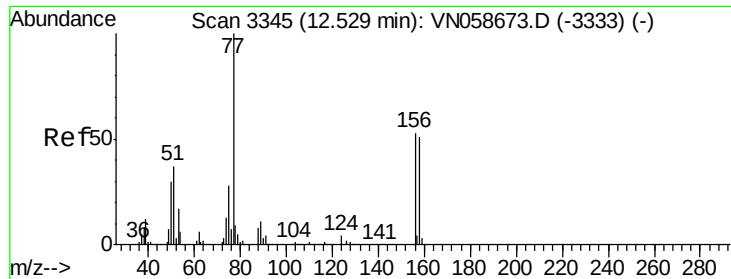
MMDadoda
 10/23/2019 3:10:01 PM



#72
 1,2,3-Trichloropropane
 Concen: 21.169 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	174.1	0.0	359.4





#73

Bromobenzene

Concen: 19.735 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

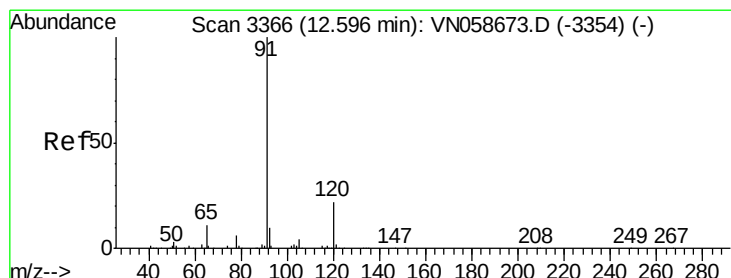
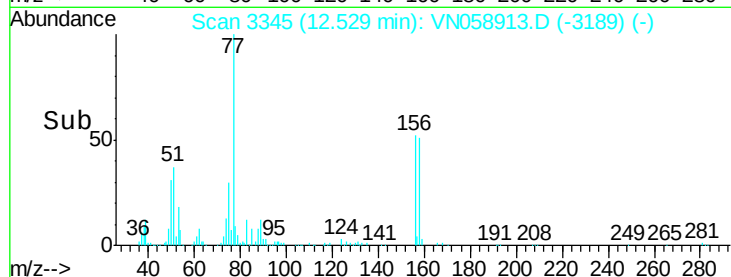
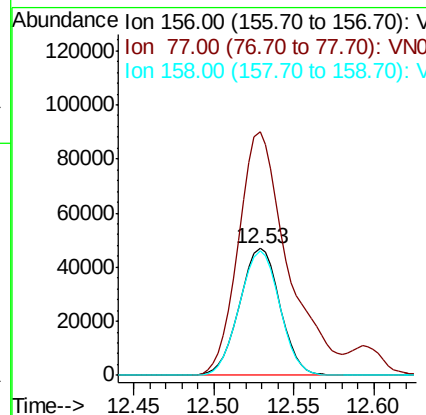
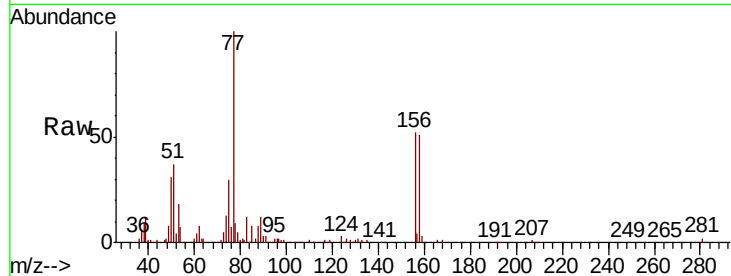
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		81183		
77	234.6	0.0	456.0		
158	97.6	0.0	195.4		

Manual Integrations
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MMDadoda
10/23/2019 3:10:01 PM



#74

n-propylbenzene

Concen: 20.240 ug/l

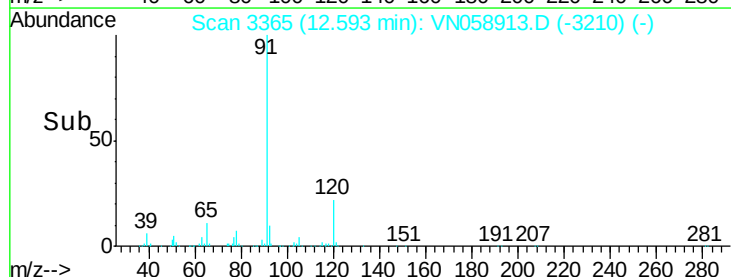
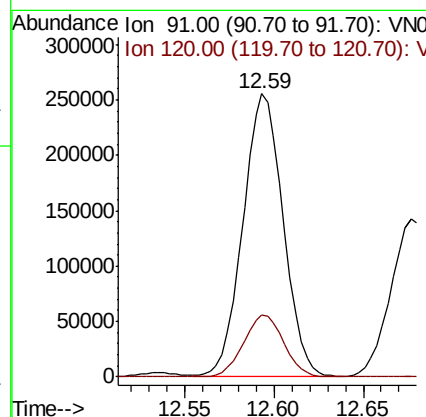
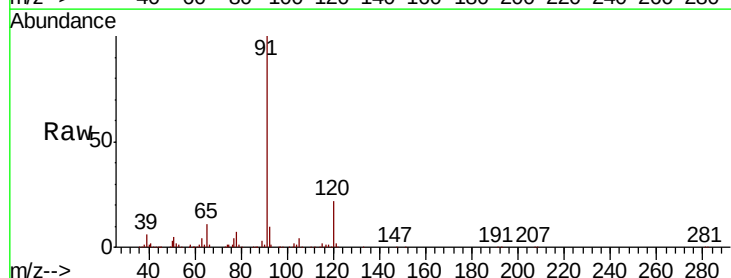
RT: 12.59 min Scan# 3365

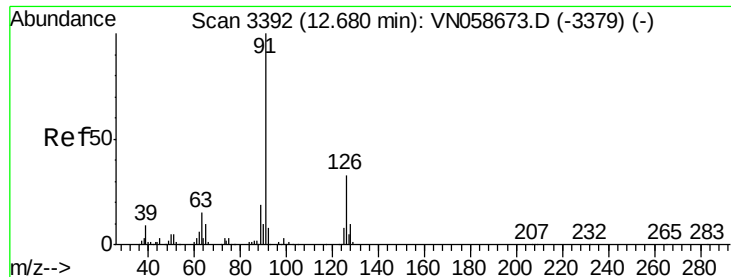
Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		401233		
120	21.8	0.0	43.6		





#75

2-Chlorotoluene

Concen: 19.986 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 238385

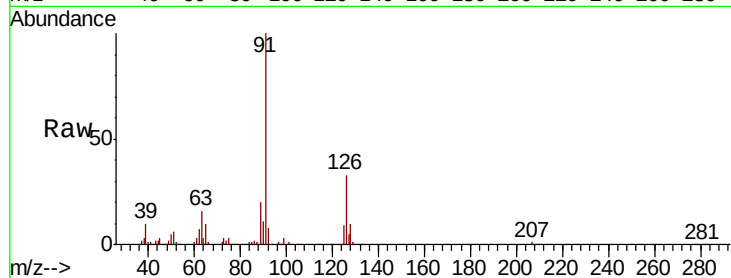
Ion Ratio Lower Upper

91 100

126 32.8 0.0 65.4

Manual Integrations
APPROVED

MMDadoda
10/23/2019 3:10:01 PM



Abundance Ion 91.00 (90.70 to 91.70): VN058913.D (-3236) (-)

Ion 126.00 (125.70 to 126.70): VN058913.D (-3236) (-)

250000

200000

150000

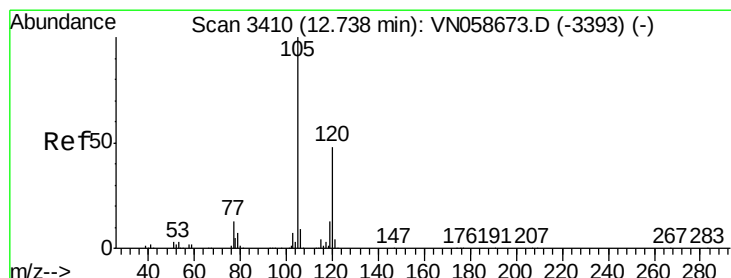
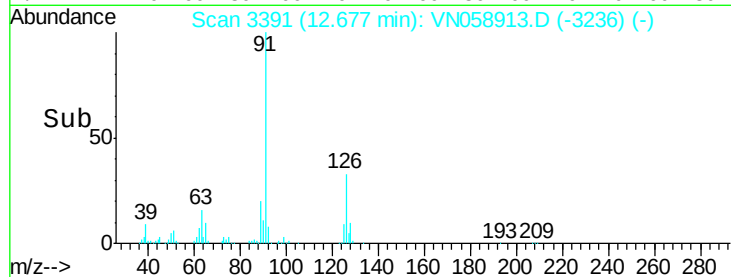
100000

50000

0

12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.828 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058913.D

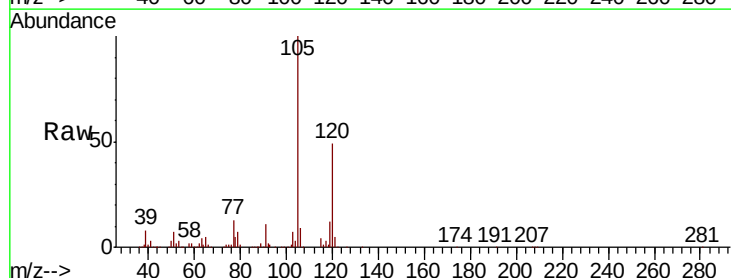
Acq: 22 Oct 2019 16:52

Tgt Ion: 105 Resp: 287616

Ion Ratio Lower Upper

105 100

120 47.9 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058913.D (-3254) (-)

Ion 120.00 (119.70 to 120.70): VN058913.D (-3254) (-)

200000

150000

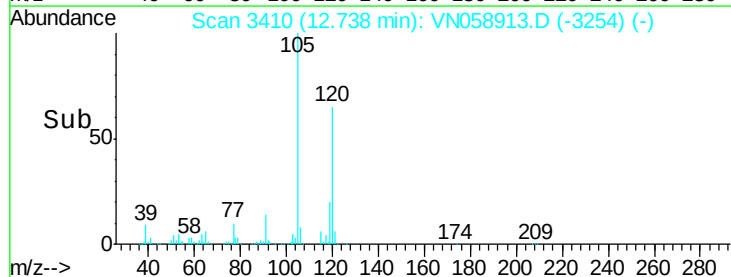
100000

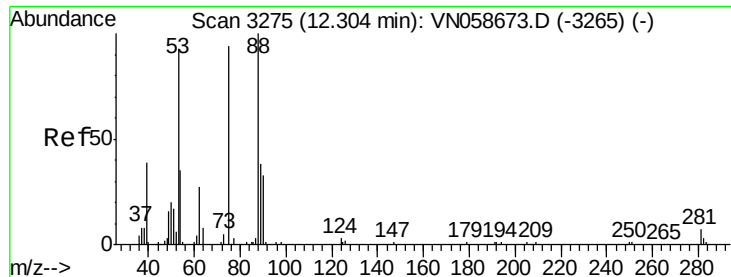
50000

0

12.65 12.70 12.75 12.80

Time-->





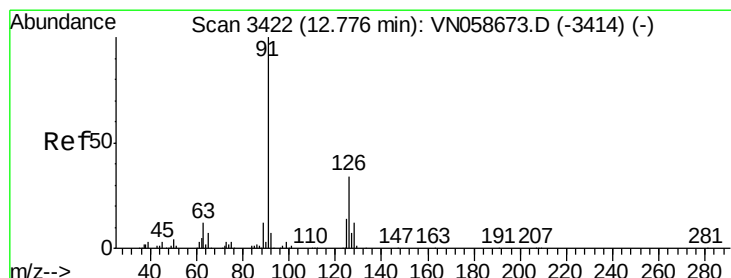
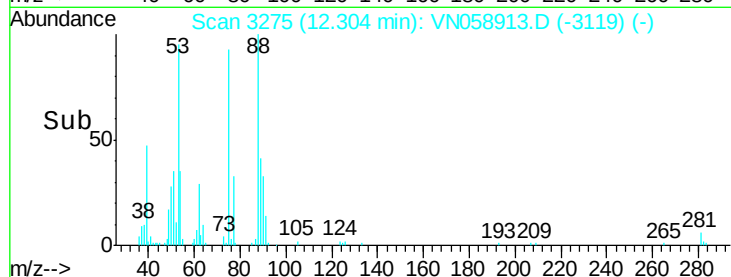
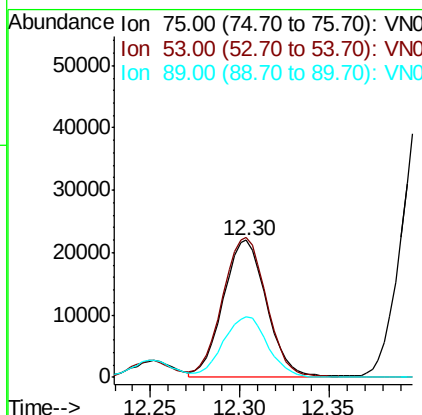
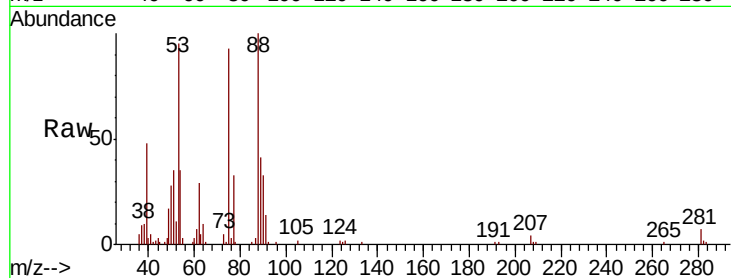
#77
t-1,4-Dichloro-2-butene
Concen: 18.894 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	50.0	150.0
89	44.8	20.7	62.1

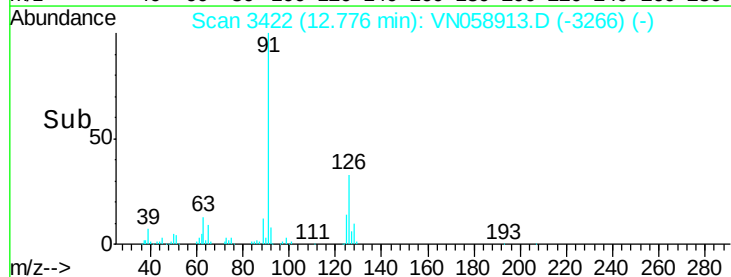
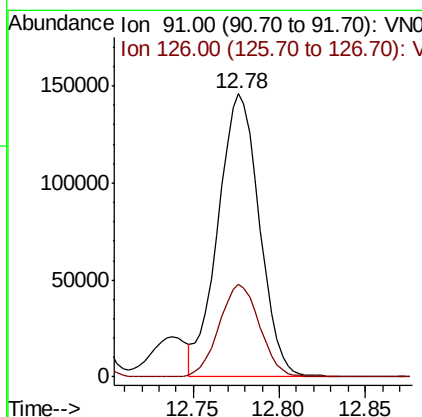
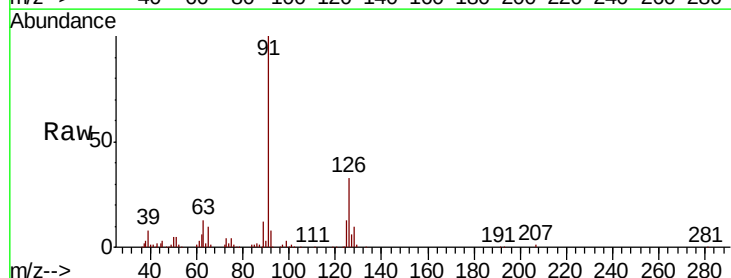
Manual Integrations
APPROVED

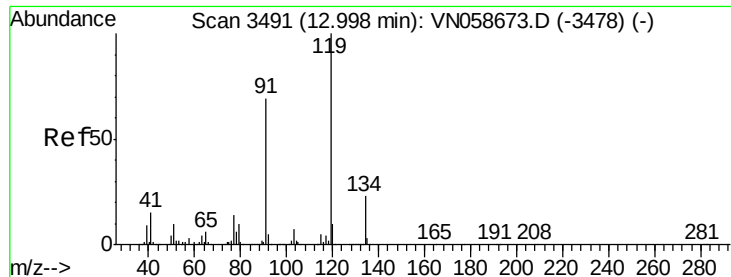
MMDadoda
10/23/2019 3:10:01 PM



#78
4-Chlorotoluene
Concen: 19.853 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	63.4





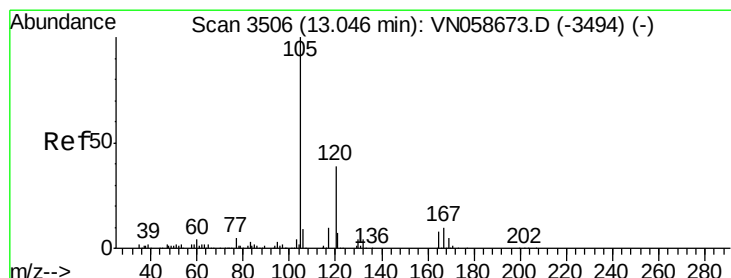
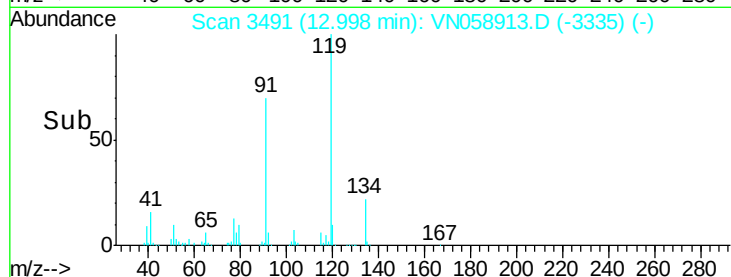
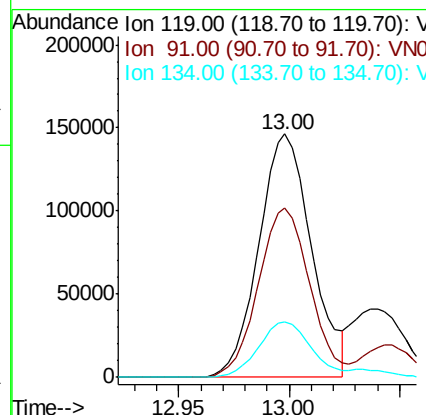
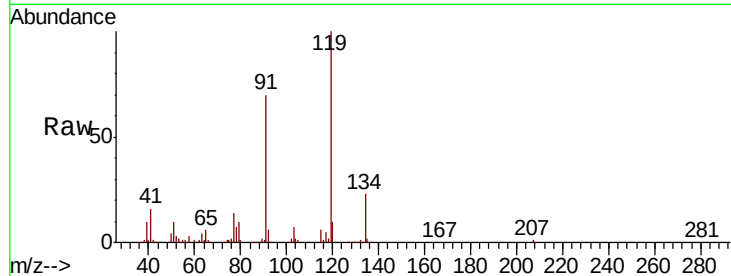
#79
tert-butylbenzene
Concen: 19.561 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	0.0	136.4
134	22.9	0.0	47.2

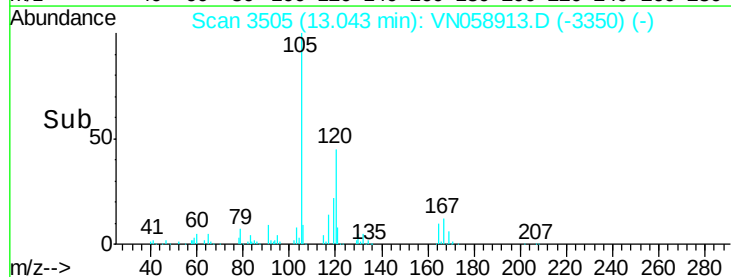
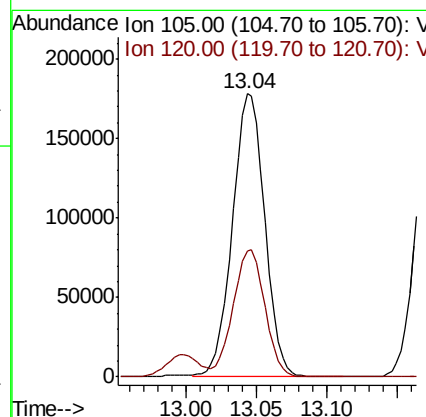
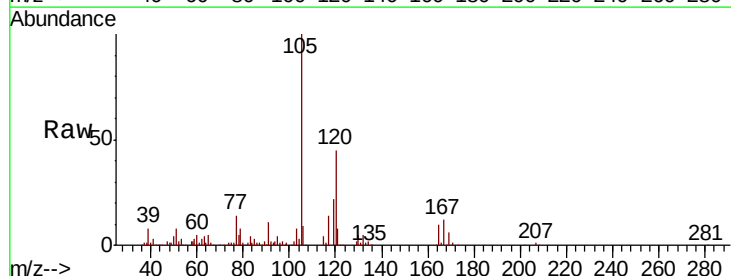
Manual Integrations
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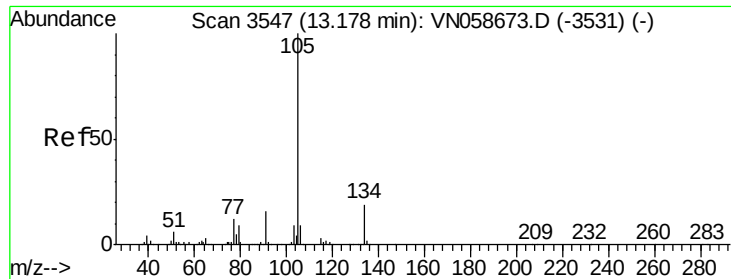
MMDadoda
10/23/2019 3:10:01 PM



#80
1,2,4-Trimethylbenzene
Concen: 19.789 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	89.2





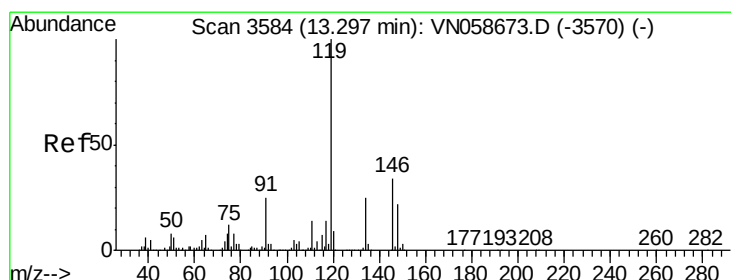
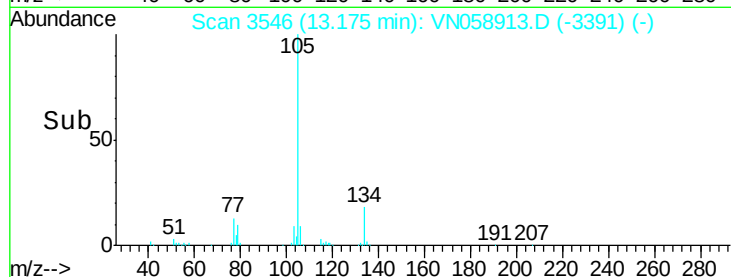
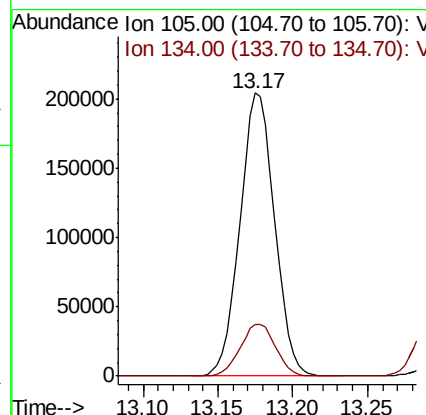
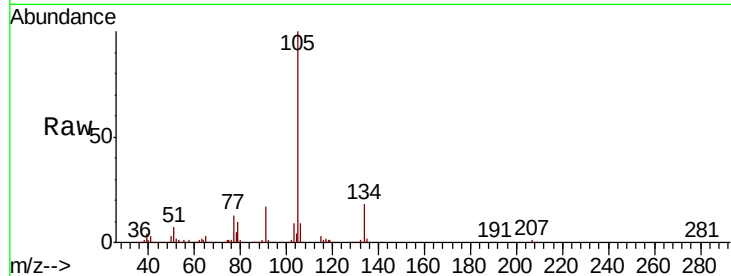
#81
 sec-Butylbenzene
 Concen: 19.672 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	328099		
134	18.8	0.0	38.0	

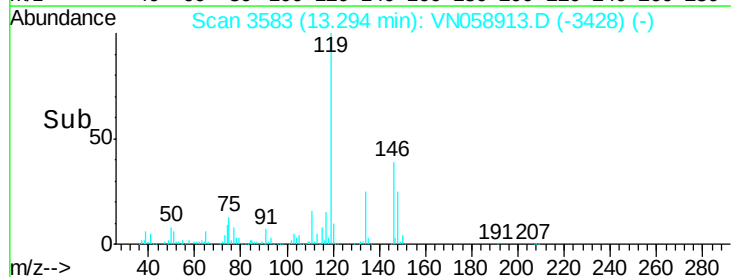
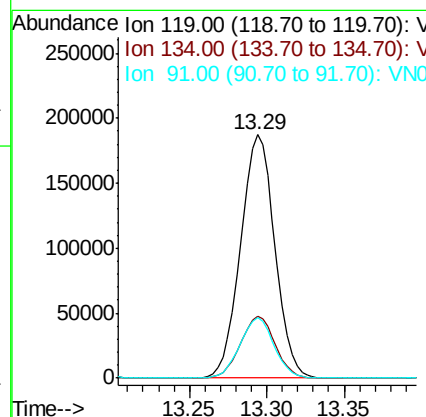
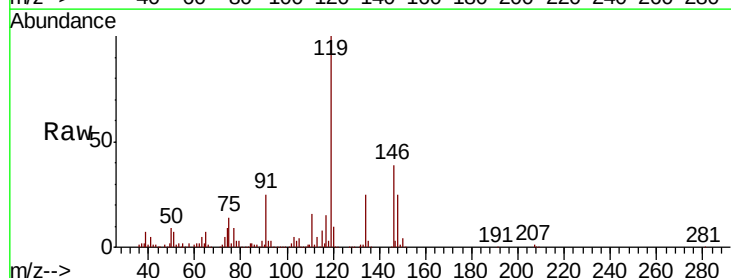
Manual Integrations
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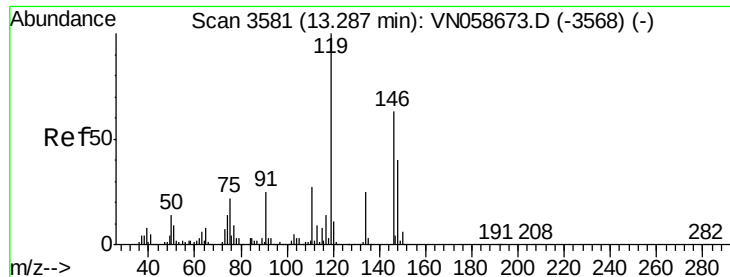
MMDadoda
 10/23/2019 3:10:01 PM



#82
 p-Isopropyltoluene
 Concen: 19.139 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	286650		
134	25.7	0.0	50.8	
91	24.6	0.0	49.4	





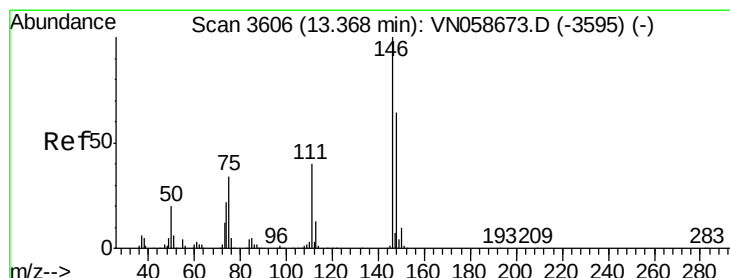
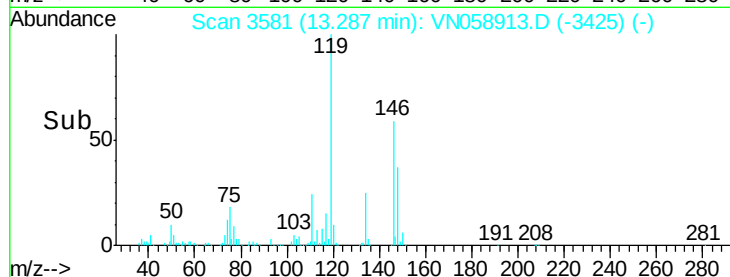
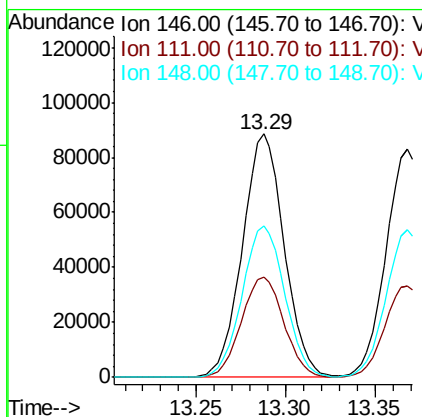
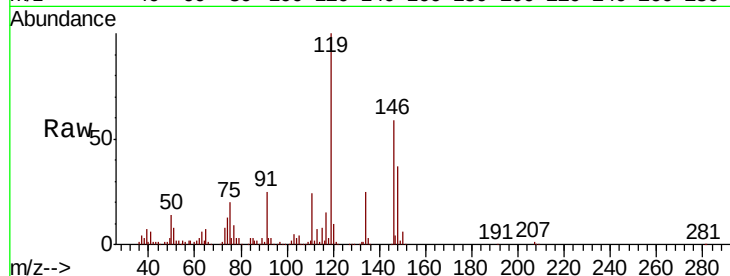
#83
1,3-Dichlorobenzene
Concen: 19.438 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.6	31.7	95.1

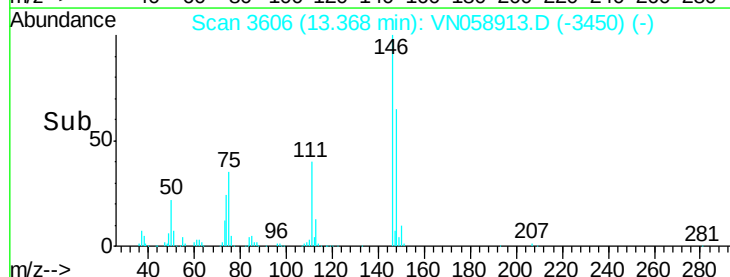
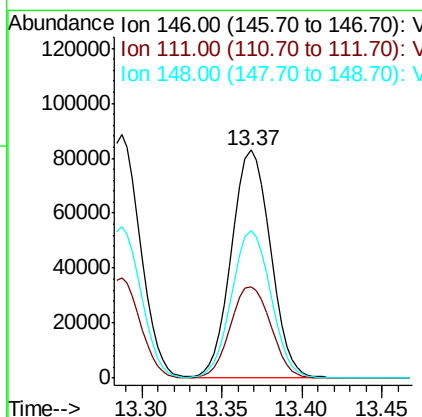
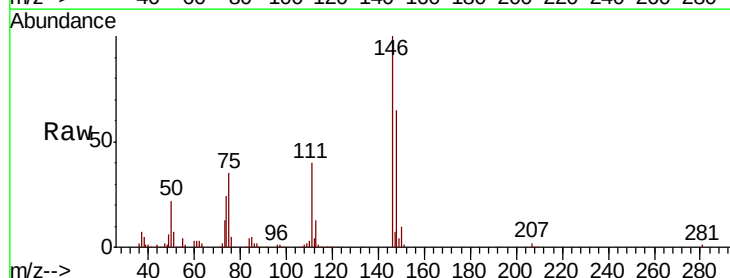
Manual Integrations
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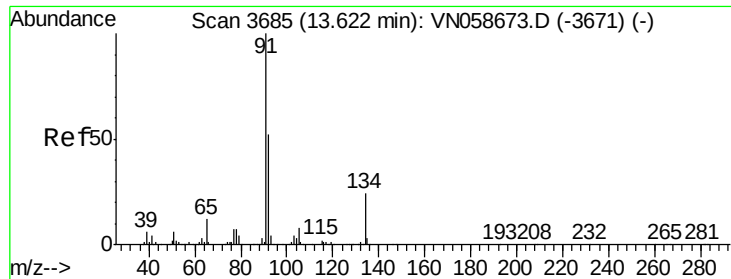
MMDadoda
10/23/2019 3:10:01 PM



#84
1,4-Dichlorobenzene
Concen: 18.542 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.8	59.4
148	64.7	31.6	94.8





#85

n-Butylbenzene

Concen: 18.094 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

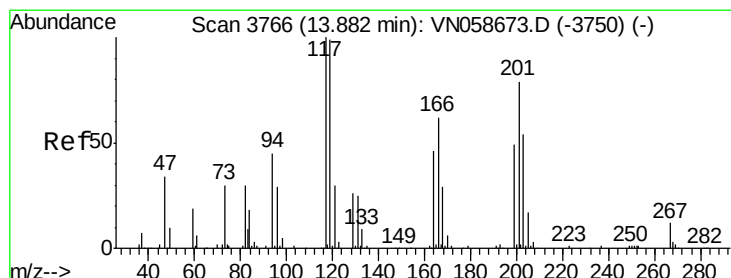
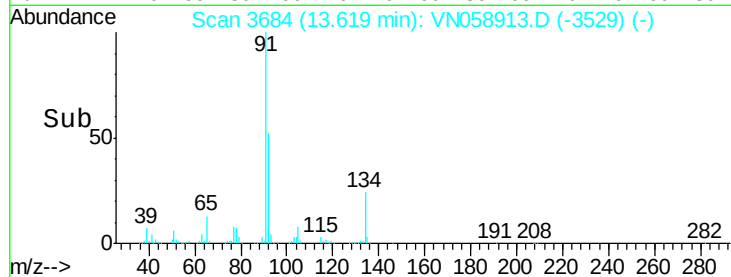
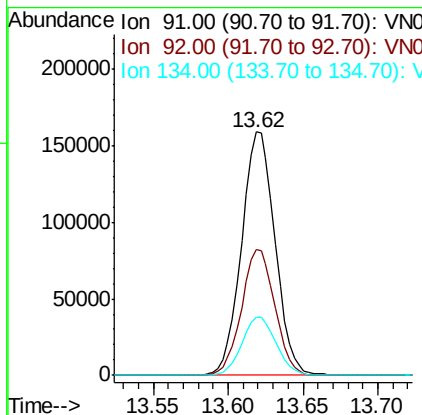
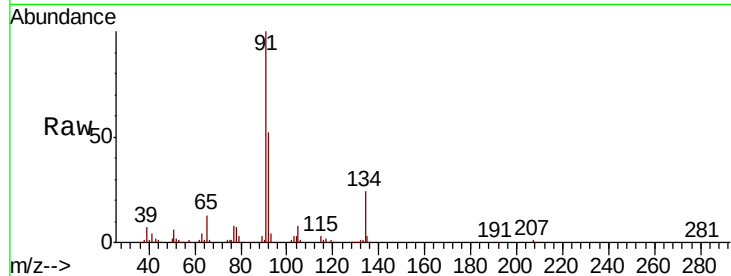
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	248098
Ion Ratio	Lower	Upper	
91	100		
92	51.4	0.0	102.8
134	24.3	0.0	48.6

Manual Integrations
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10/23/2019 3:10:01 PM



#86

Hexachloroethane

Concen: 20.005 ug/l

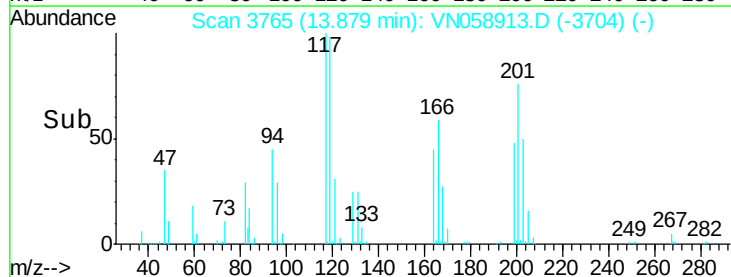
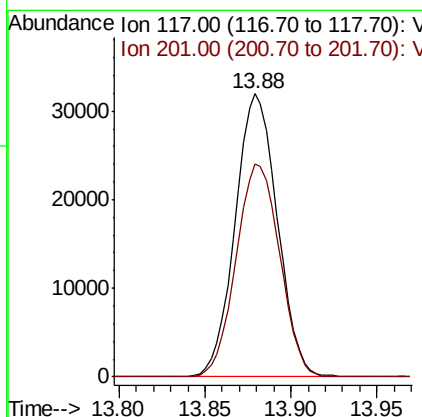
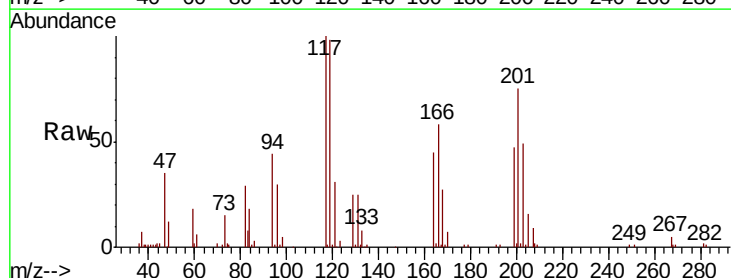
RT: 13.88 min Scan# 3765

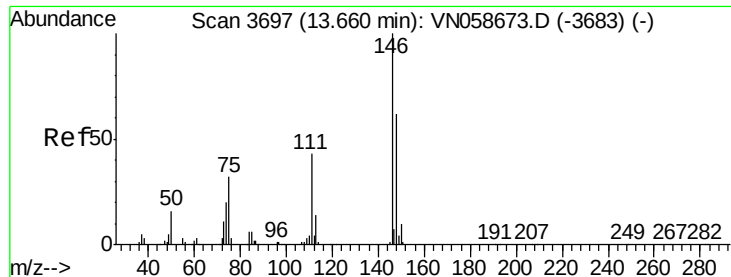
Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Tgt Ion:	117	Resp:	54527
Ion Ratio	Lower	Upper	
117	100		
201	77.7	38.7	116.1





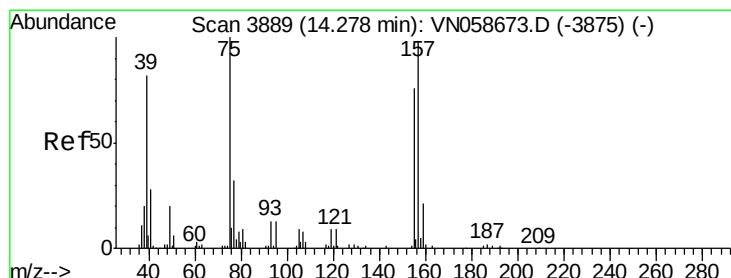
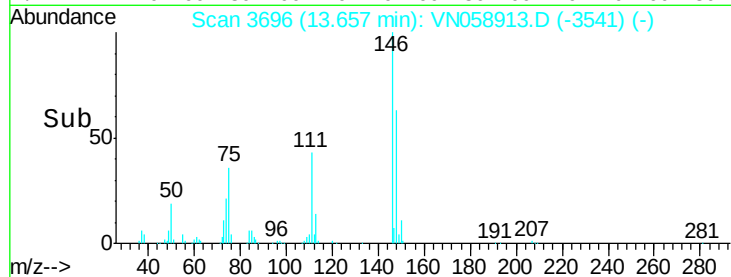
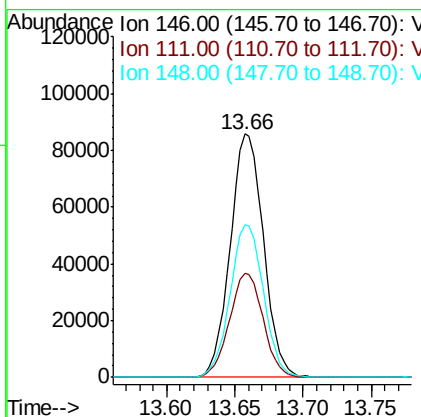
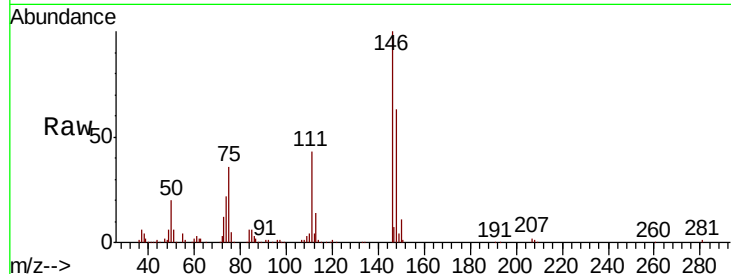
#87
 1,2-Dichlorobenzene
 Concen: 19.777 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	146	Resp:	145338
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.8	65.4
148	63.0	32.1	96.5

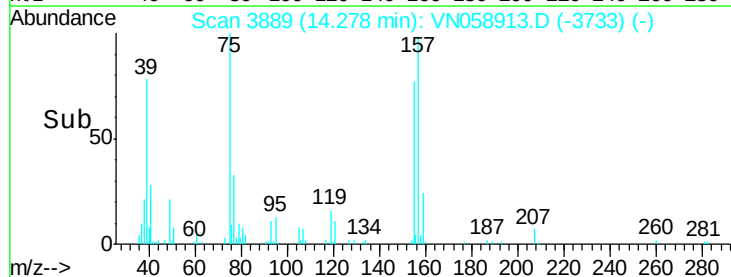
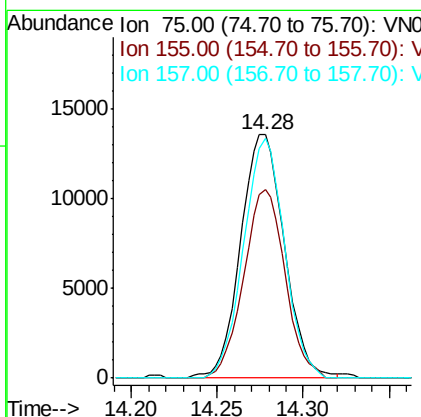
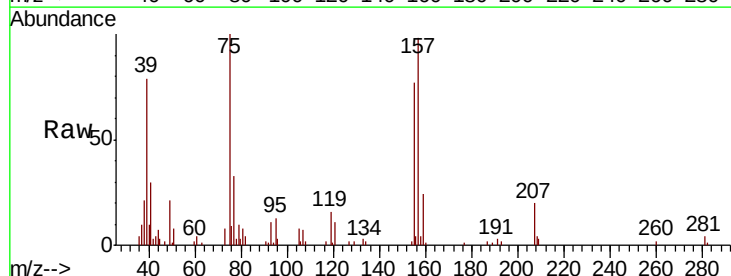
Manual Integrations
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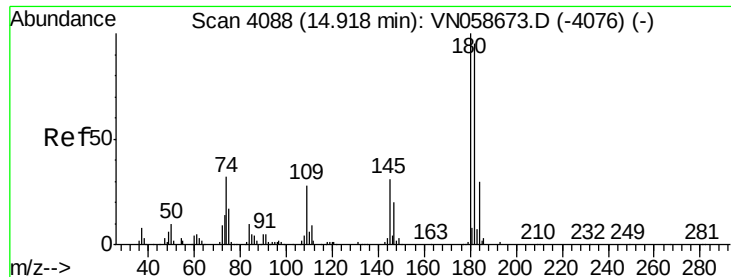
MMDadoda
 10/23/2019 3:10:01 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.814 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion:	75	Resp:	23876
Ion Ratio	Lower	Upper	
75	100		
155	73.1	58.3	87.5
157	91.9	75.0	112.6





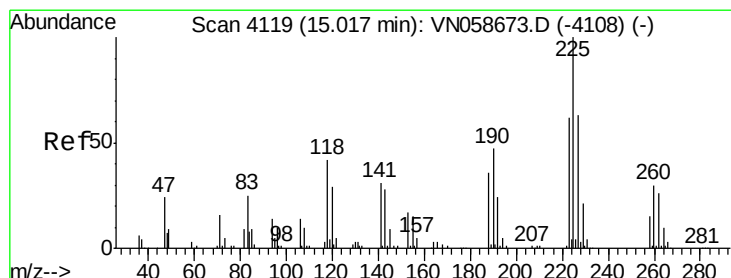
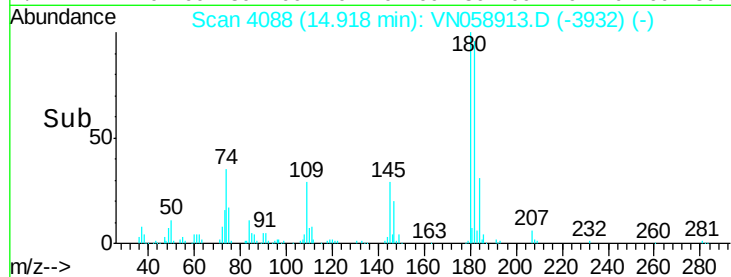
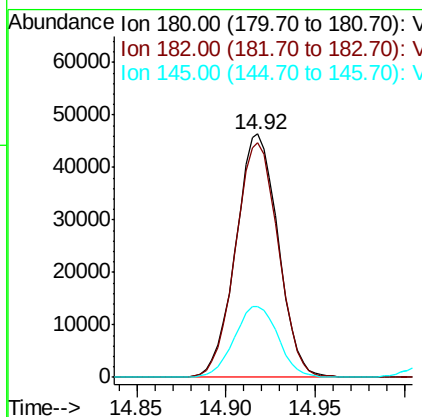
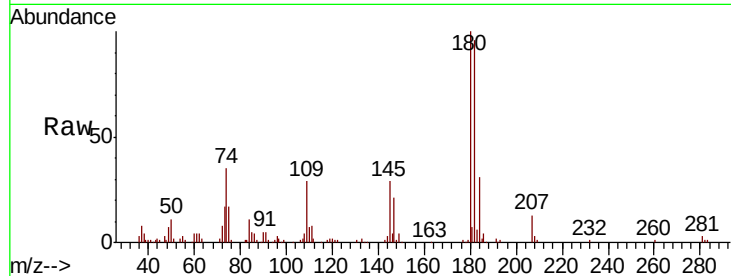
#89
 1,2,4-Trichlorobenzene
 Concen: 16.477 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.3	112.9
145	30.4	24.8	37.2

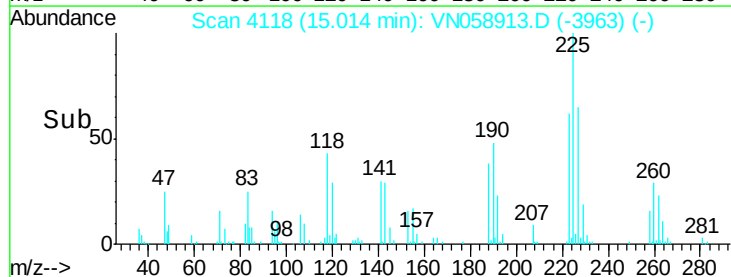
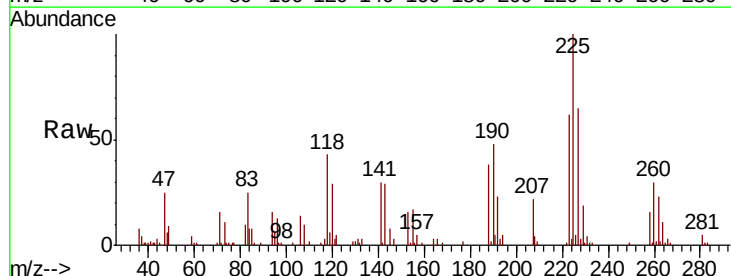
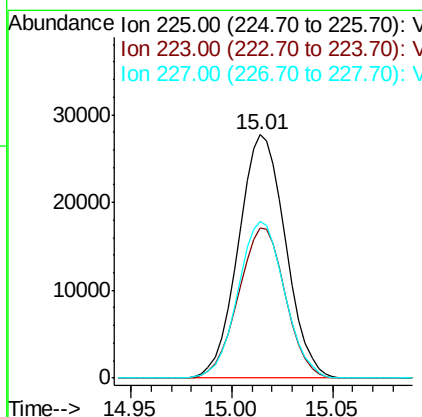
Manual Integrations
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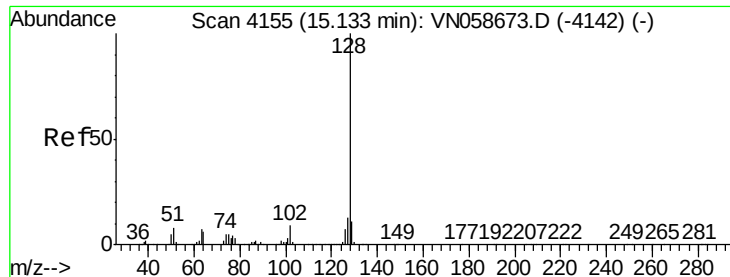
MMDadoda
 10/23/2019 3:10:01 PM



#90
 Hexachlorobutadiene
 Concen: 18.945 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	126.2
227	63.6	0.0	127.0





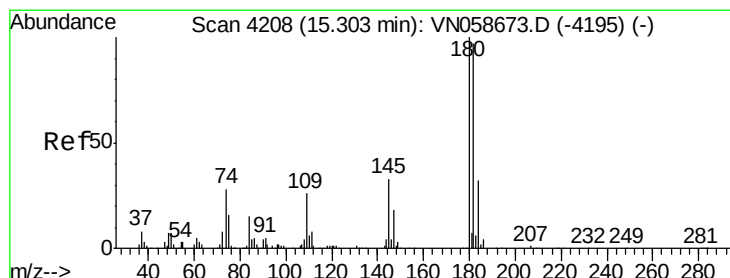
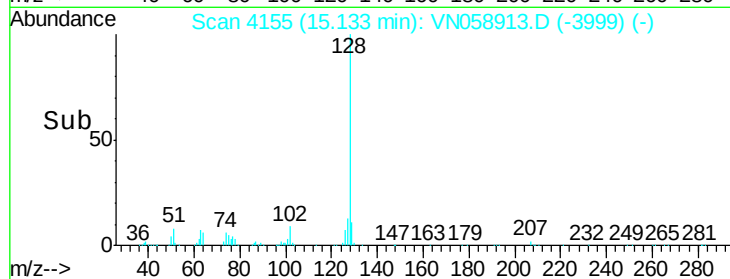
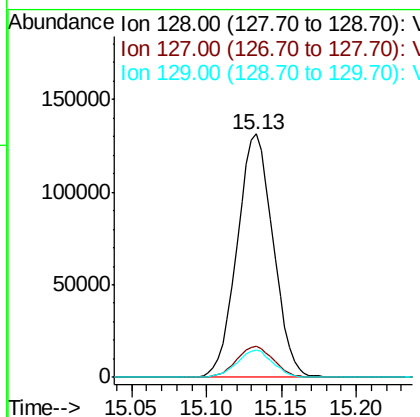
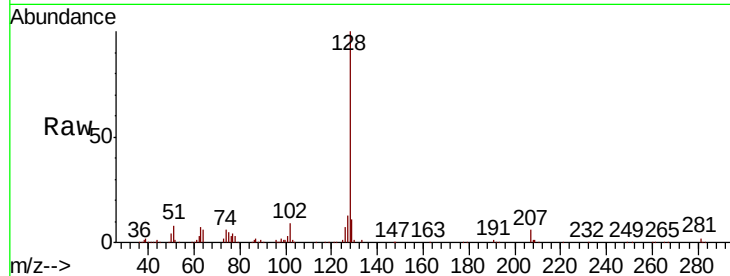
#91
Naphthalene
Concen: 16.107 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.793 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	0.0	193.4
145	31.9	0.0	65.8

