

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058683.D
 Acq On : 10 Oct 2019 22:36
 Operator : JC/SP
 Sample : VN1011WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 2:47:06 PM

Quant Time: Oct 11 09:03:00 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	67802	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	382169	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	349242	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	176141	30.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.03%
60) 4-Bromofluorobenzene	12.40	95	183642	30.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.20%
63) Toluene-d8	10.09	98	494053	29.96	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	80012	21.780	ug/l 98
3) Chloromethane	2.04	50	100570	20.495	ug/l 99
4) Vinyl Chloride	2.17	62	109477	21.586	ug/l 97
5) Bromomethane	2.50	94	47459m	15.156	ug/l
6) Chloroethane	2.65	64	65653	20.594	ug/l 100
7) Trichlorofluoromethane	2.98	101	132403	21.210	ug/l 99
8) Diethyl Ether	3.39	74	49688	20.870	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	74304	20.571	ug/l 99
10) 1,1-Dichloroethene	3.71	96	73112	20.609	ug/l 94
11) Methyl Iodide	3.92	142	103618	20.973	ug/l 97
12) Methyl Acetate	4.30	43	115579	20.363	ug/l 100
13) Acrolein	3.58	56	58127	92.687	ug/l 98
14) Acrylonitrile	4.96	53	223622	99.991	ug/l 97
15) Acetone	3.80	58	53888	81.175	ug/l 99
16) Carbon Disulfide	4.02	76	205589	19.869	ug/l 100
17) Allyl chloride	4.29	41	138855	19.665	ug/l 96
18) Methylene Chloride	4.52	84	92060	21.430	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	79075	20.475	ug/l 92
20) Diisopropyl ether	5.93	45	300519	20.890	ug/l 93
21) 1,1-Dichloroethane	5.82	63	167945	21.082	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	95310	20.698	ug/l 99
23) tert-Butyl Alcohol	4.77	59	68162	74.514	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	274377	20.732	ug/l 100
25) Chloroform	7.35	83	166746	20.987	ug/l 97
26) Cyclohexane	7.63	56	142410	20.367	ug/l # 97
29) 1,1-Dichloropropene	7.77	75	121765	20.240	ug/l 99
30) 2-Butanone	6.82	43	294567	86.648	ug/l 100
31) 2,2-Dichloropropane	6.80	77	126100	17.784	ug/l 100
32) 1,1,1-Trichloroethane	7.55	97	143073	20.563	ug/l 100
33) Carbon Tetrachloride	7.75	117	123321	20.476	ug/l 99
34) Benzene	8.02	78	365551	20.640	ug/l 100
35) Methacrylonitrile	7.16	41	60358m	20.098	ug/l
36) 1,2-Dichloroethane	8.11	62	140790	20.791	ug/l 99
37) Trichloroethene	8.82	130	88499	20.340	ug/l 100
38) Methylcyclohexane	9.07	83	134801	19.326	ug/l 99
39) 1,2-Dichloropropane	9.11	63	99316	20.519	ug/l 98
40) Dibromomethane	9.20	93	62197	20.356	ug/l 99

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Quant Time: Oct 11 09:03:00 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	124681	19.974	ug/l	99
42) Vinyl Acetate	5.87	43	1217939	102.296	ug/l	100
43) Ethyl Acetate	6.91	43	126098	18.898	ug/l	98
44) Isopropyl Acetate	8.15	43	211379	19.557	ug/l #	88
45) 1,4-Dioxane	9.19	88	21240	255.925	ug/l	99
46) Methyl methacrylate	9.19	41	96391	19.426	ug/l	97
47) n-amyl Acetate	12.07	43	193370	20.182	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	140827	19.453	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	148902	19.587	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	90375	20.719	ug/l	99
51) Ethyl methacrylate	10.43	69	136138	19.519	ug/l	100
52) 1,3-Dichloropropane	10.71	76	159383	20.518	ug/l	99
53) Dibromochloromethane	10.90	129	92105	19.676	ug/l	97
54) 1,2-Dibromoethane	11.00	107	91857	20.317	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	358652	103.375	ug/l	100
56) Bromoform	12.13	173	61838	18.963	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	659154	103.460	ug/l	100
59) 2-Hexanone	10.75	43	490301	98.163	ug/l	100
61) Tetrachloroethene	10.63	164	80444	21.316	ug/l	98
62) Toluene	10.15	91	386780	20.589	ug/l	99
64) Chlorobenzene	11.43	112	234492	20.417	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	87080	20.220	ug/l	99
66) Ethyl Benzene	11.51	91	427900	20.571	ug/l	99
67) m/p-Xylenes	11.62	106	316961	40.785	ug/l	99
68) o-Xylene	11.95	106	153334	20.352	ug/l	100
69) Styrene	11.97	104	248922	19.999	ug/l	99
70) Isopropylbenzene	12.25	105	415846	20.444	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	139338	20.348	ug/l	97
72) 1,2,3-Trichloropropane	12.56	75	125873m	20.286	ug/l	
73) Bromobenzene	12.53	156	99220	20.082	ug/l	96
74) n-propylbenzene	12.59	91	490324	20.594	ug/l	99
75) 2-Chlorotoluene	12.68	91	298234	20.819	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	362412	20.802	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40852	17.282	ug/l	93
78) 4-Chlorotoluene	12.78	91	306789	20.779	ug/l	100
79) tert-butylbenzene	13.00	119	301457	20.254	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	363697	21.009	ug/l	99
81) sec-Butylbenzene	13.18	105	411693	20.553	ug/l	100
82) p-Isopropyltoluene	13.29	119	369855	20.562	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	185339	20.731	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	184110	20.617	ug/l	98
85) n-Butylbenzene	13.62	91	331015	20.100	ug/l	100
86) Hexachloroethane	13.88	117	64384	19.668	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	187094	21.198	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	29418	19.301	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	105306	18.896	ug/l	99
90) Hexachlorobutadiene	15.02	225	56406	19.601	ug/l	100
91) Naphthalene	15.13	128	312450	18.989	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	102460	18.887	ug/l	99

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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

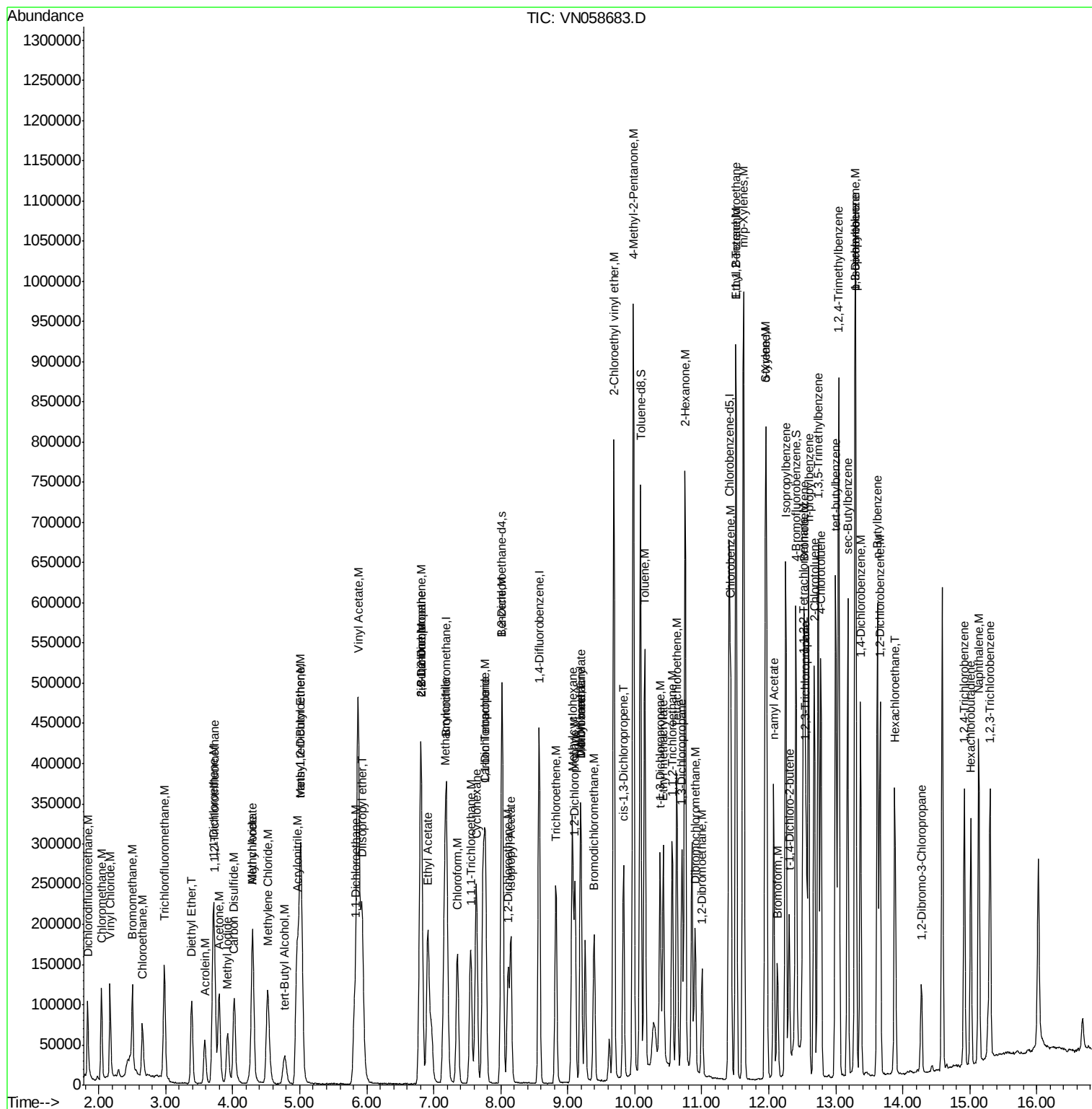
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
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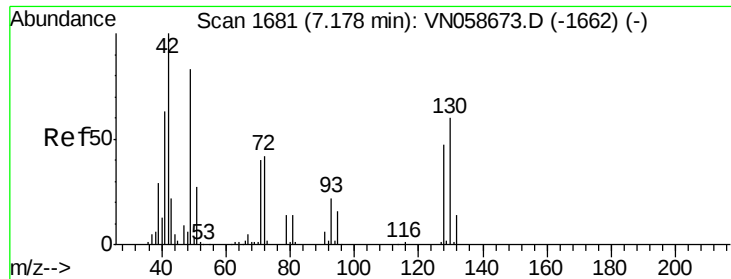
Instrument :
MSVOA_N
Client Sample Id :
VN1011WBSD01

Manual Integrations
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Quant Time: Oct 11 09:03:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion:128 Resp: 67802

Ion Ratio Lower Upper

128 100

49 183.2 0.0 453.5

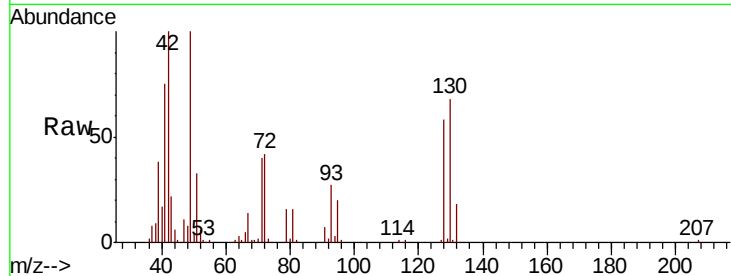
130 127.9 0.0 314.2

Manual Integrations

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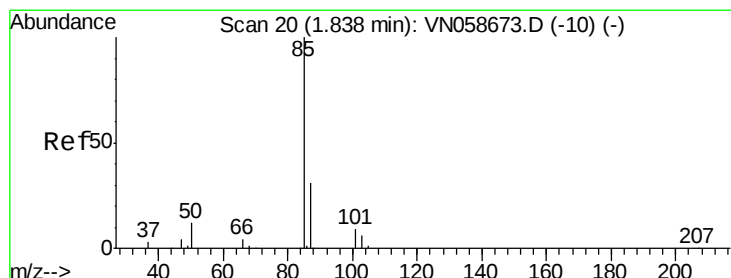
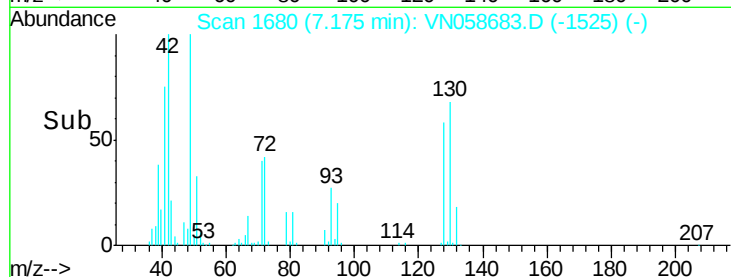
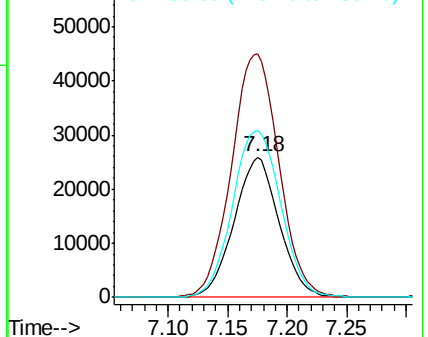
10/11/2019 2:47:06 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.780 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058683.D

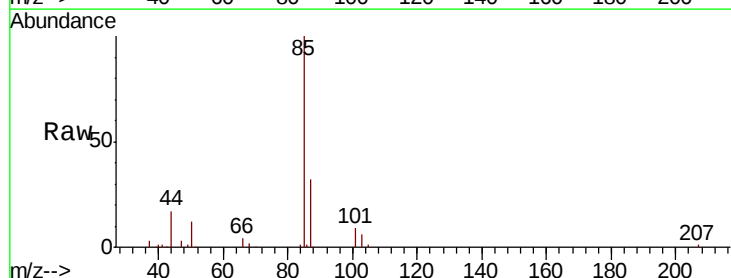
Acq: 10 Oct 2019 22:36

Tgt Ion: 85 Resp: 80012

Ion Ratio Lower Upper

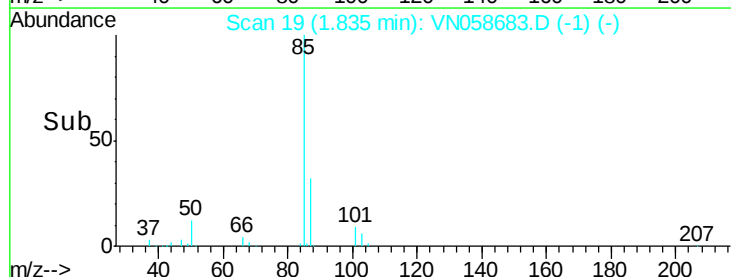
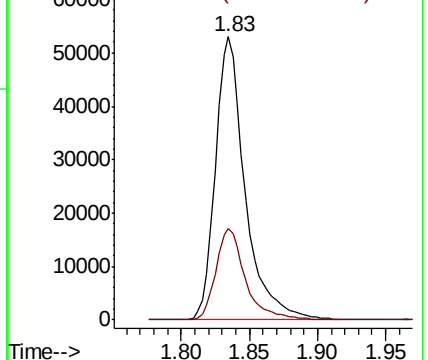
85 100

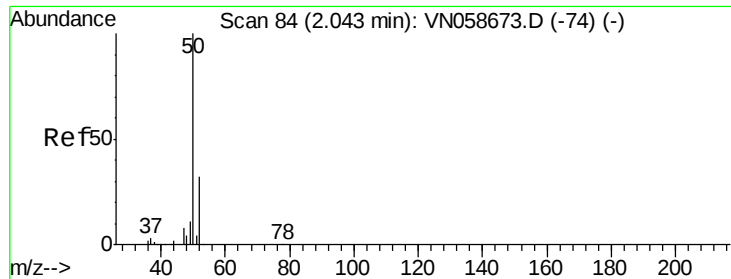
87 32.4 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.495 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion: 50 Resp: 100570

Ion Ratio Lower Upper

50 100

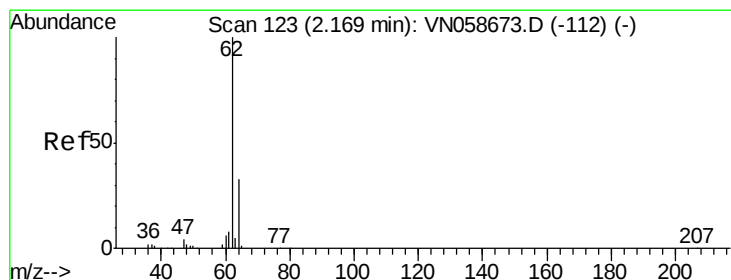
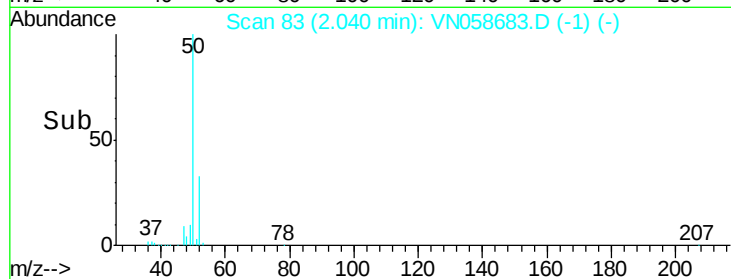
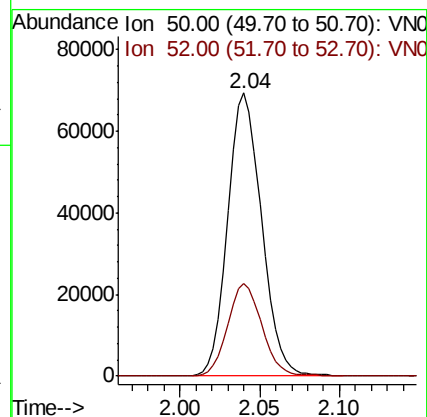
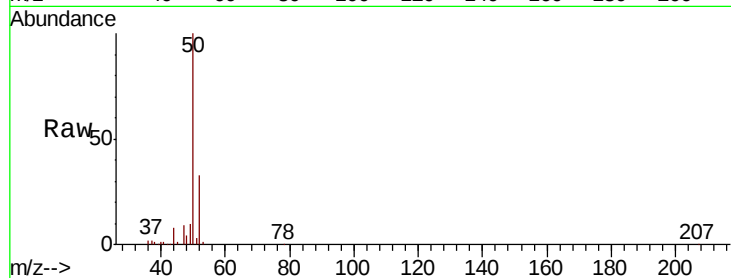
52 32.7 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.586 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058683.D

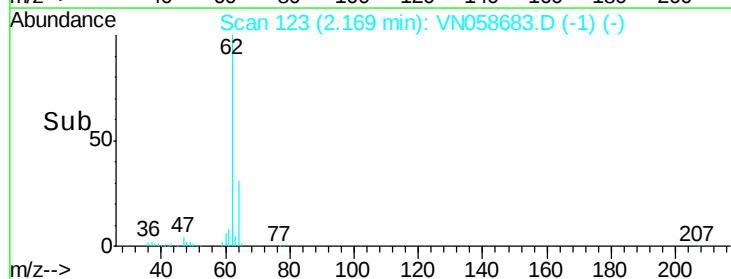
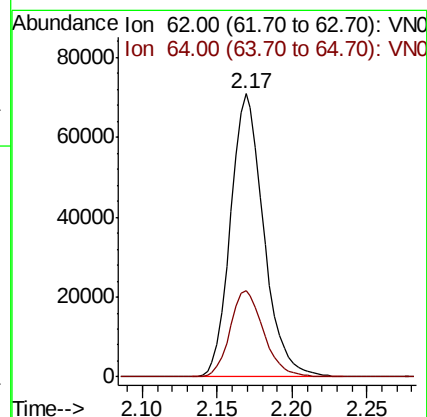
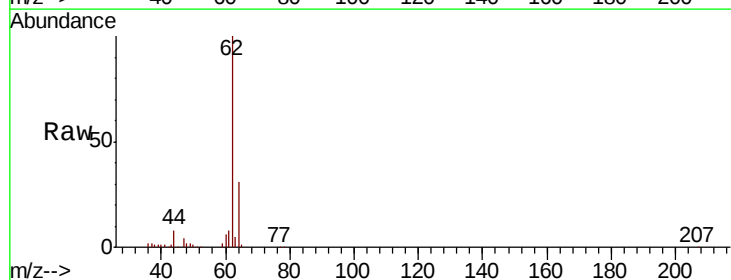
Acq: 10 Oct 2019 22:36

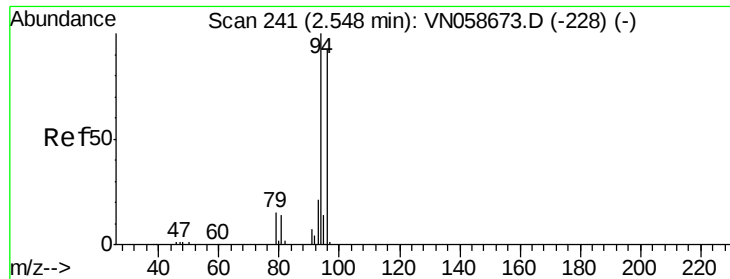
Tgt Ion: 62 Resp: 109477

Ion Ratio Lower Upper

62 100

64 30.7 26.1 39.1





#5

Bromomethane

Concen: 15.156 ug/l m

RT: 2.50 min Scan# 227

Delta R.T. -0.04 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

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Tot Ion: 94 Resp: 47459

Ion Ratio Lower Upper

94 100

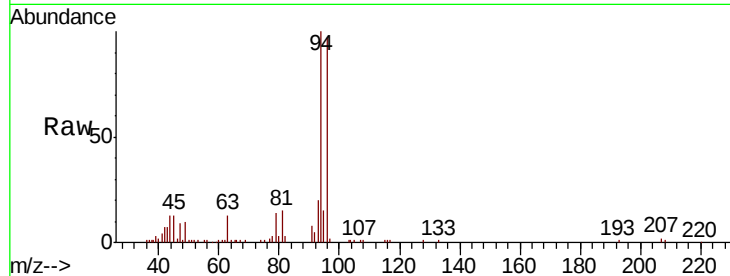
96 96.9 73.7 110.5

Manual Integrations

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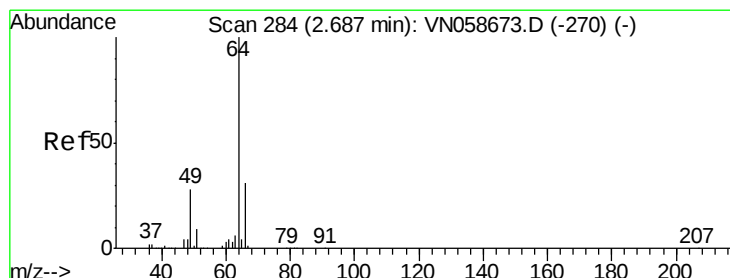
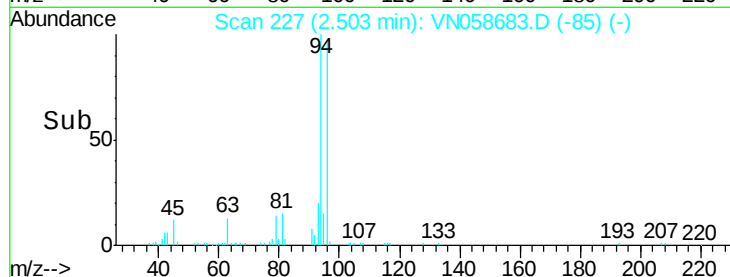
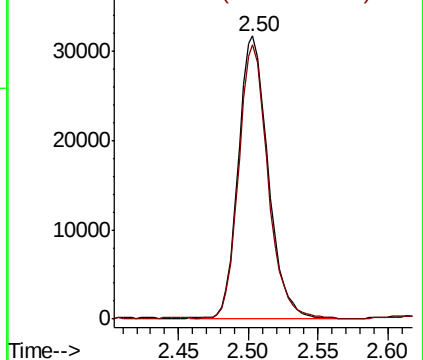
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.594 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.04 min

Lab File: VN058683.D

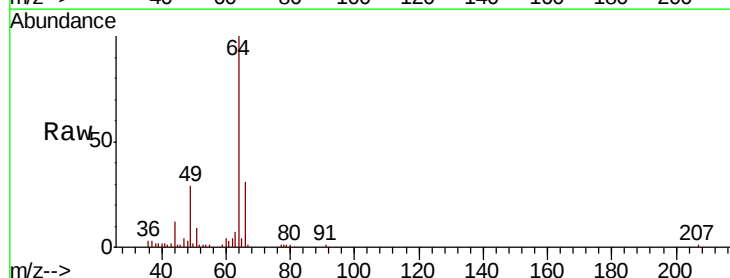
Acq: 10 Oct 2019 22:36

Tgt Ion: 64 Resp: 65653

Ion Ratio Lower Upper

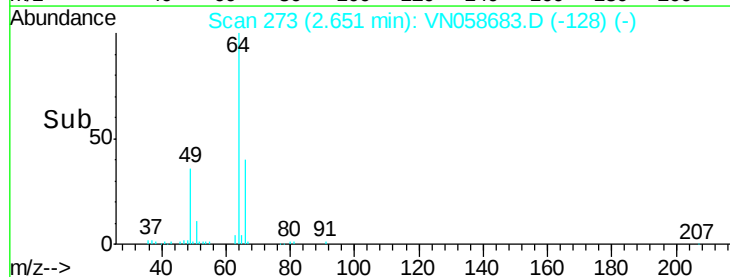
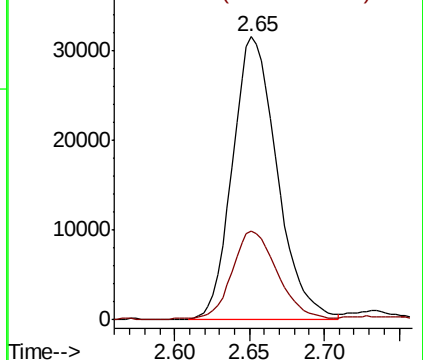
64 100

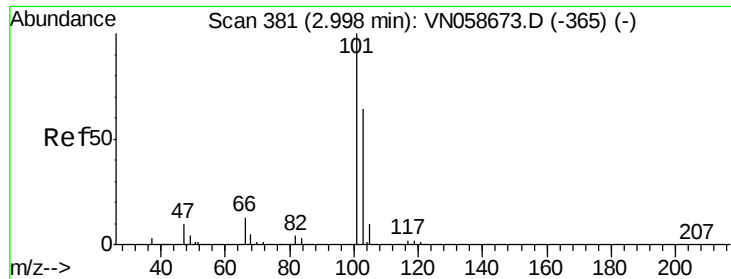
66 30.5 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

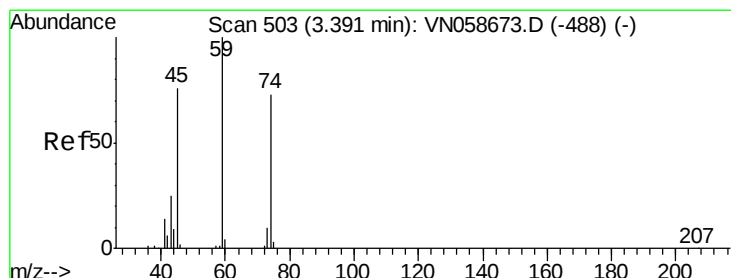
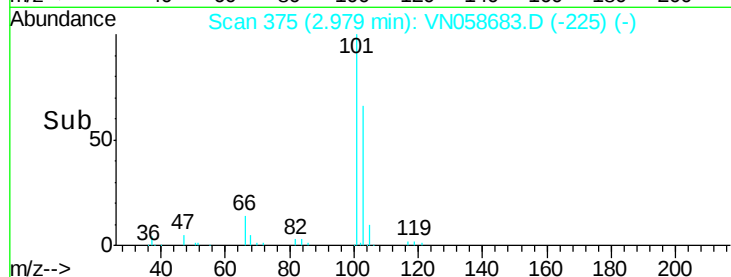
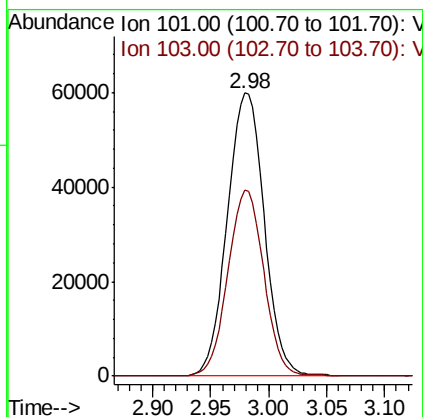
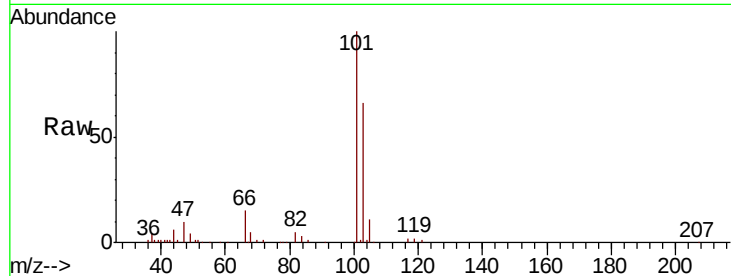
Trichlorofluoromethane
 Concen: 21.210 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.02 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	132403		
103	65.5	51.5	77.3	

Manual Integrations
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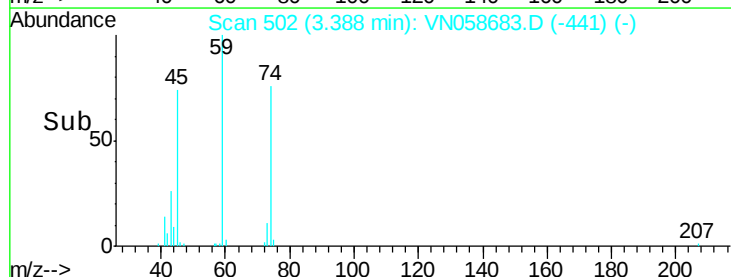
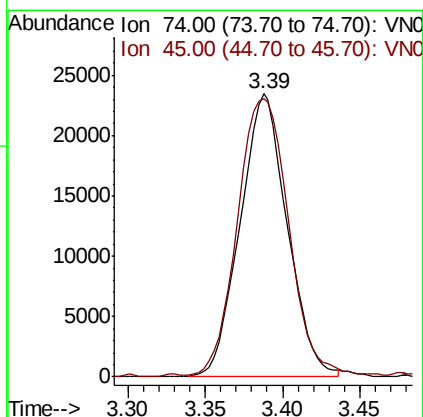
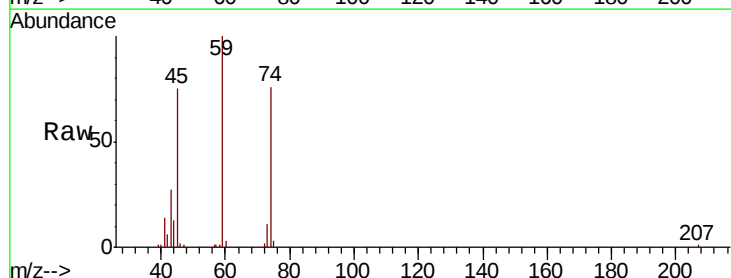
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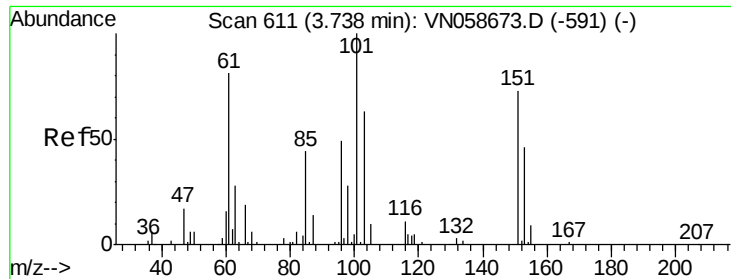


#8

Diethyl Ether
 Concen: 20.870 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49688		
45	107.5	20.6	185.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.571 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

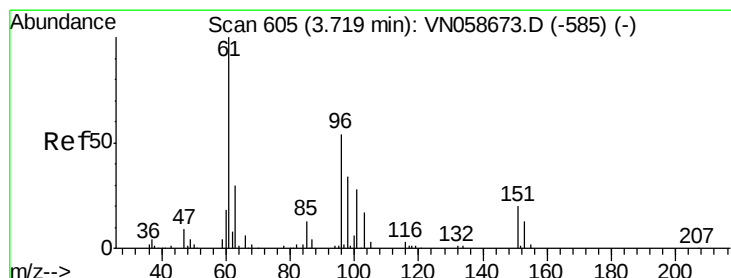
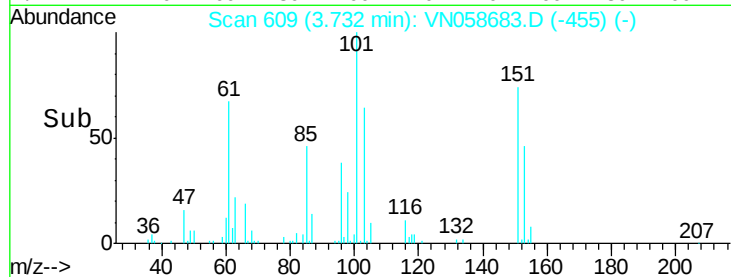
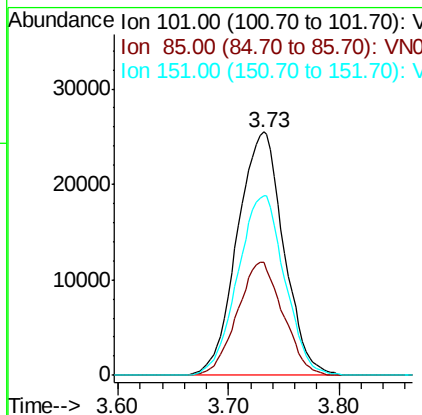
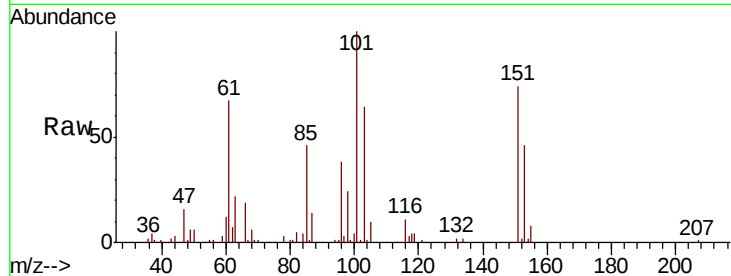
ClientSampleId :

VN1011WBSD01

Tot Ion:	101	Resp:	74304
Ion Ratio	Lower	Upper	
101	100		
85	45.8	0.0	93.8
151	74.7	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 20.609 ug/l

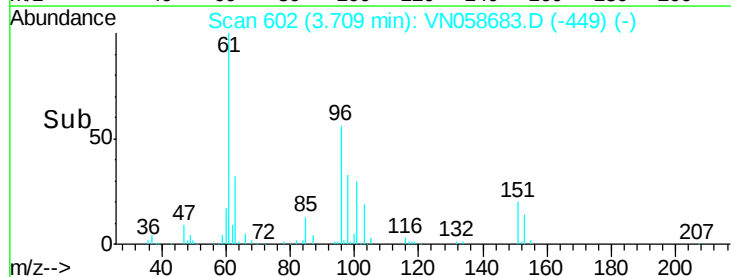
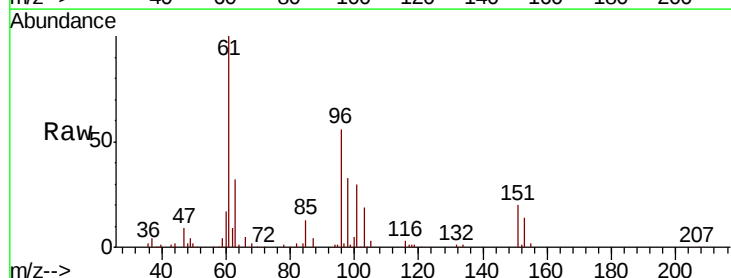
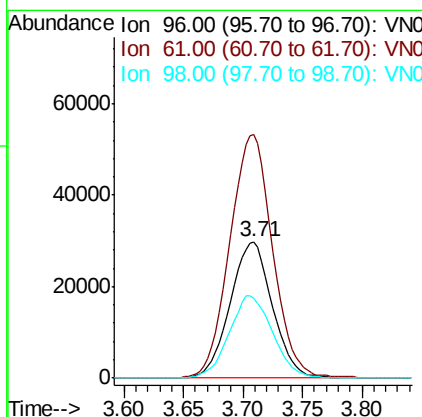
RT: 3.71 min Scan# 602

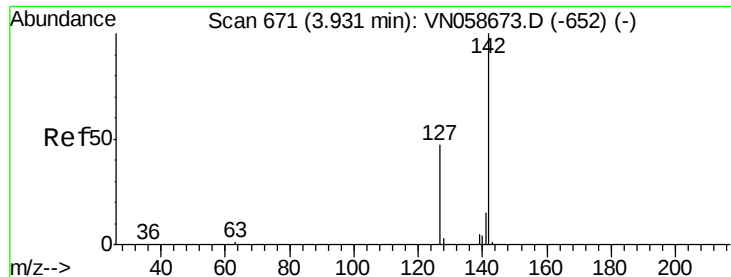
Delta R.T. -0.01 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Tgt Ion:	96	Resp:	73112
Ion Ratio	Lower	Upper	
96	100		
61	177.6	148.5	222.7
98	58.1	51.0	76.6





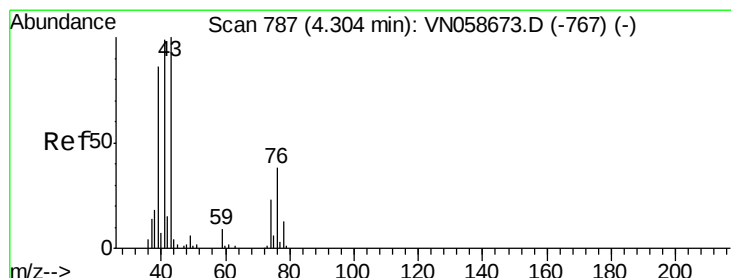
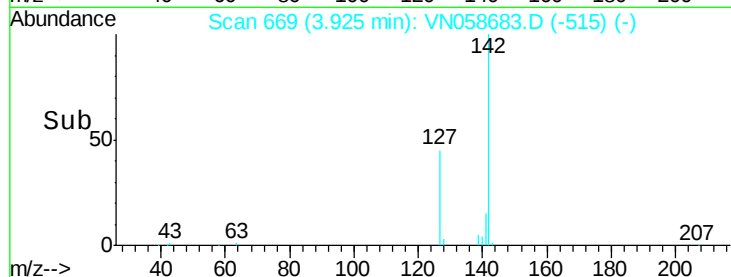
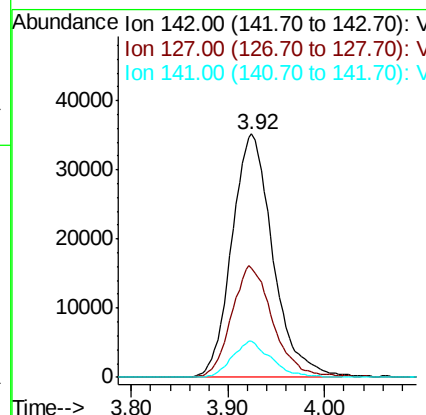
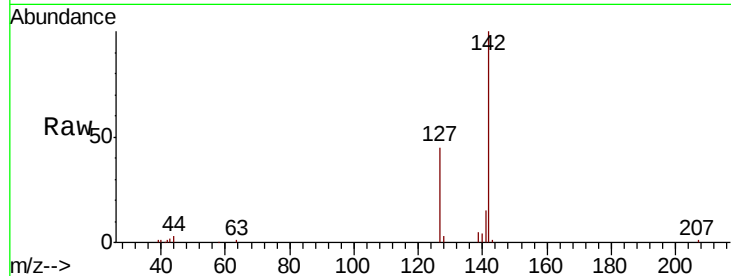
#11
Methyl Iodide
Concen: 20.973 ug/l
RT: 3.92 min Scan# 669
Delta R.T. -0.01 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.6	23.5	70.6
141	14.9	7.4	22.2

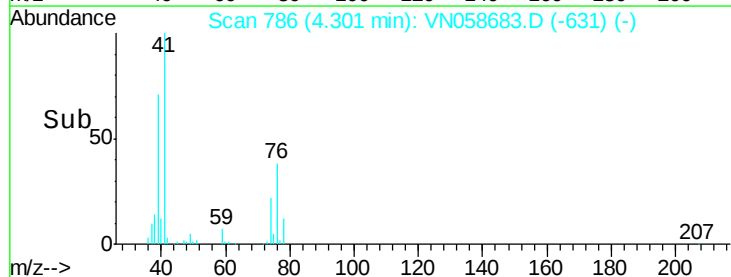
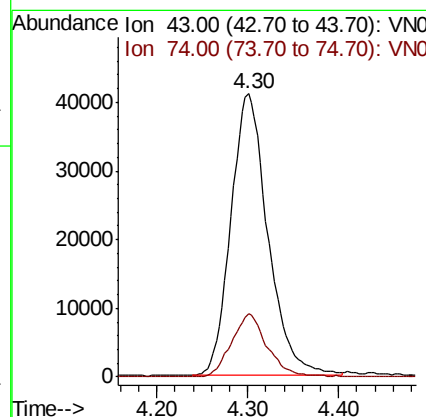
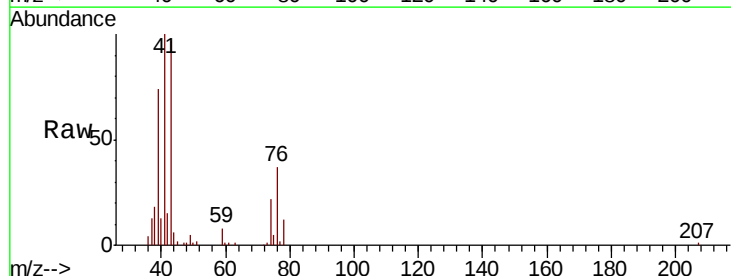
Manual Integrations
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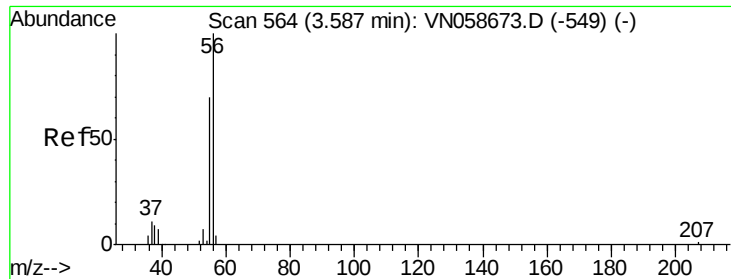
MMDadoda
10/11/2019 2:47:06 PM



#12
Methyl Acetate
Concen: 20.363 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.1	27.1





#13

Acrolein

Concen: 92.687 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion: 56 Resp: 58127

Ion Ratio Lower Upper

56 100

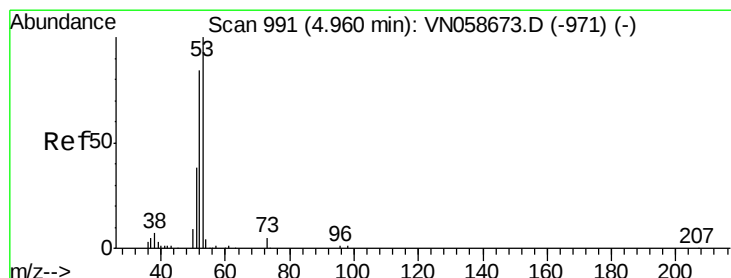
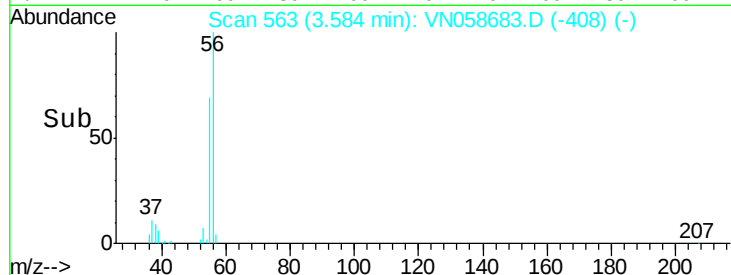
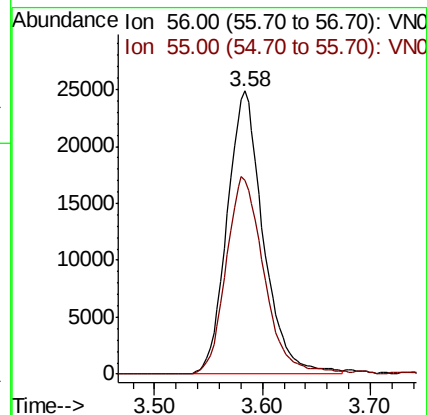
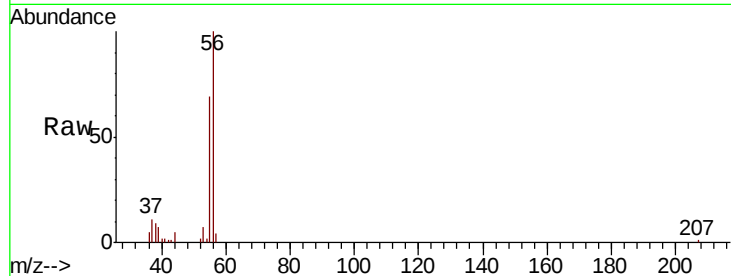
55 71.9 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 99.991 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

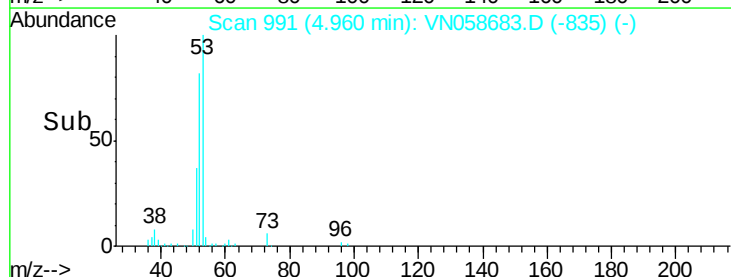
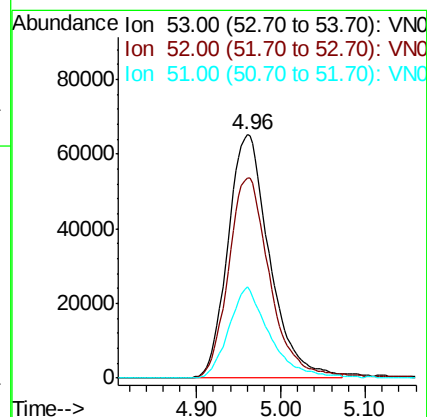
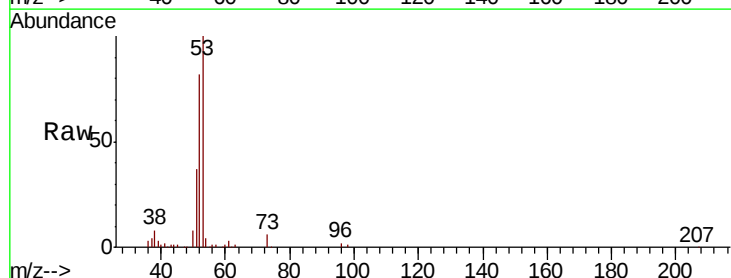
Tgt Ion: 53 Resp: 223622

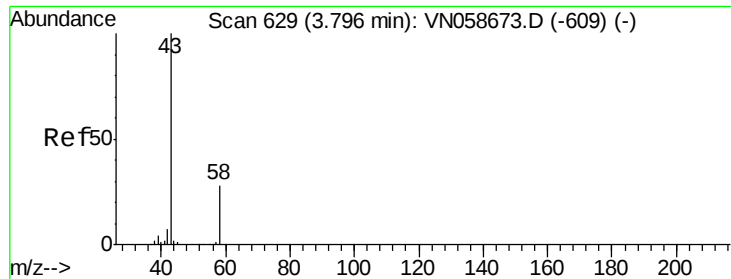
Ion Ratio Lower Upper

53 100

52 81.4 42.2 126.6

51 36.3 18.8 56.4





#15

Acetone

Concen: 81.175 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion: 58 Resp: 53888

Ion Ratio Lower Upper

58 100

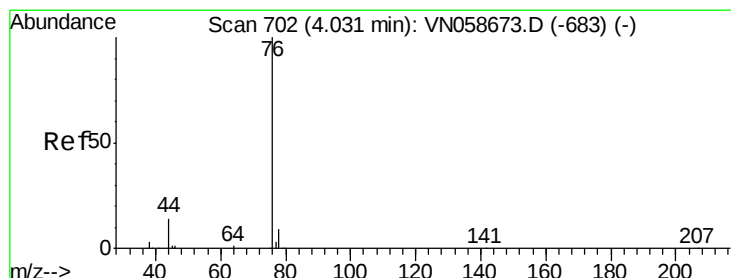
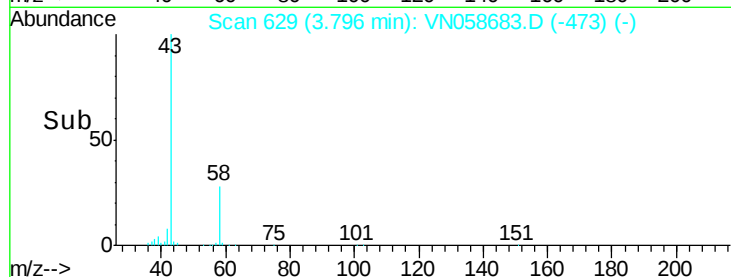
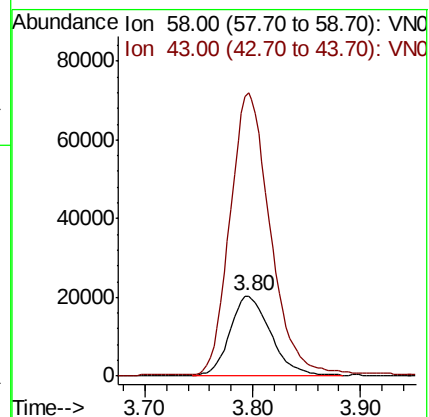
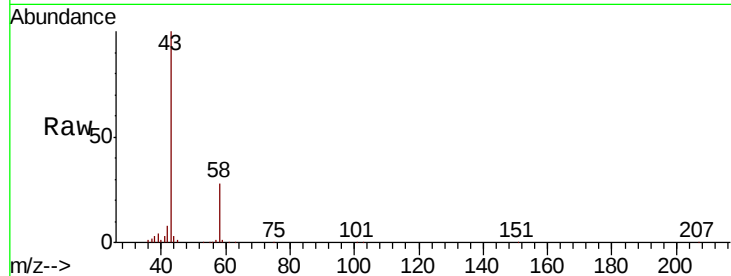
43 350.3 281.7 422.5

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#16

Carbon Disulfide

Concen: 19.869 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN058683.D

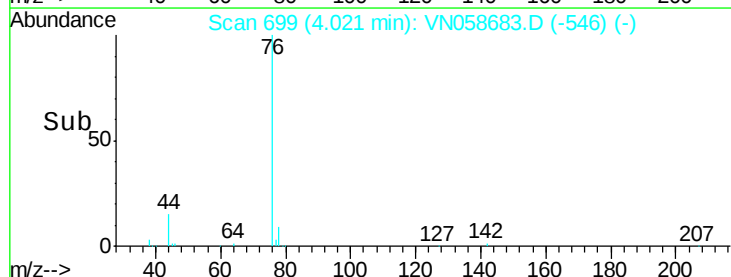
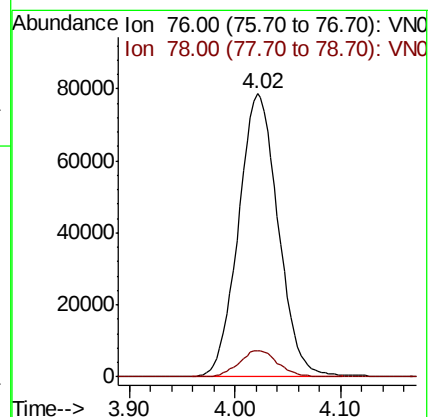
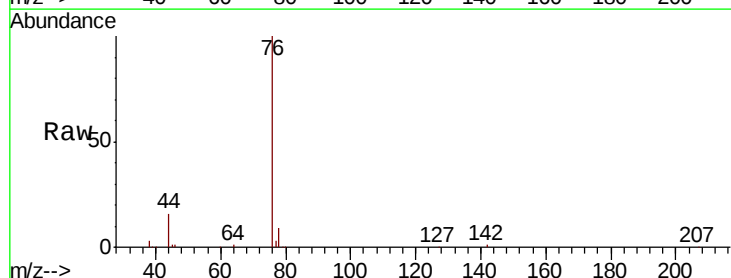
Acq: 10 Oct 2019 22:36

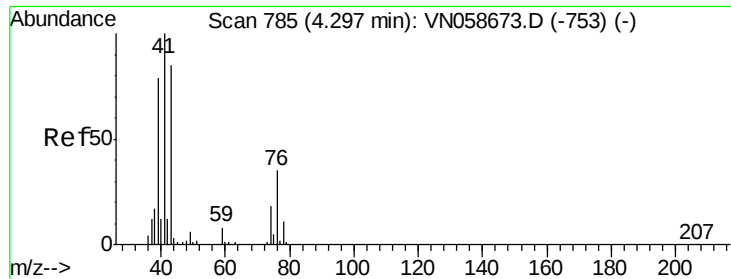
Tgt Ion: 76 Resp: 205589

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





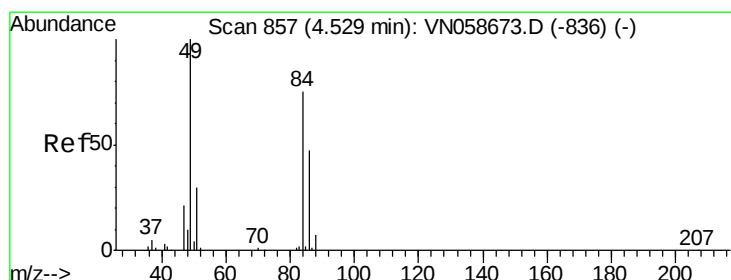
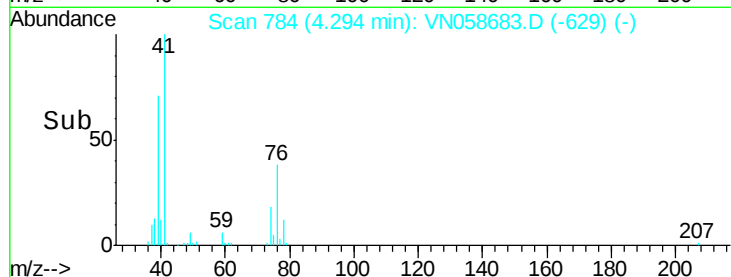
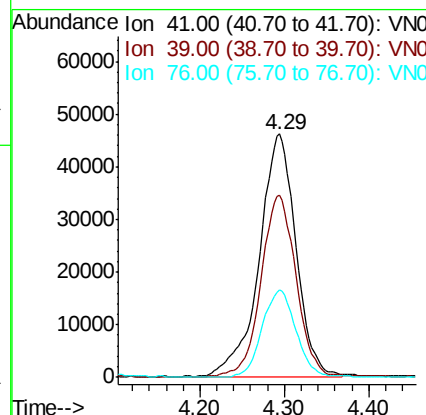
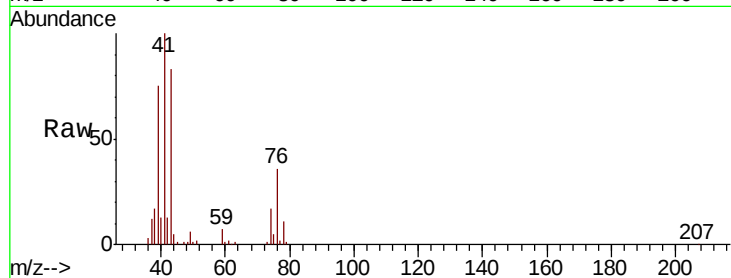
#17
Allvl chloride
Concen: 19.665 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.0	39.6	118.8
76	36.2	17.6	52.9

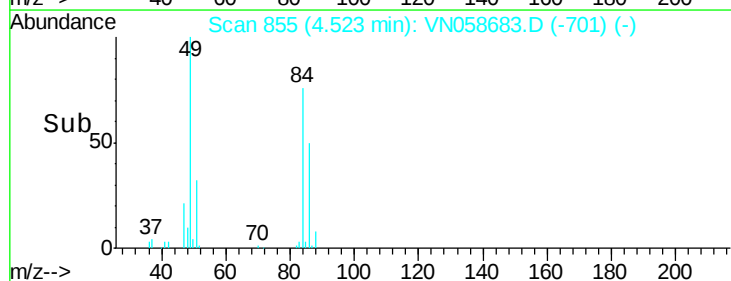
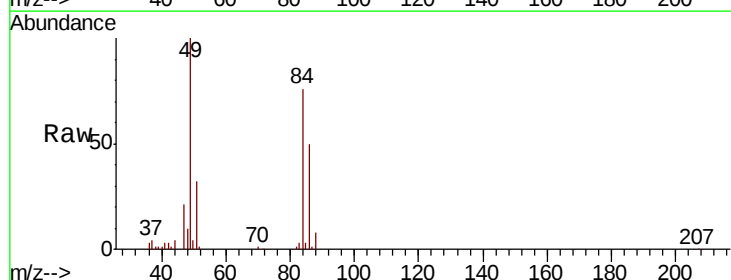
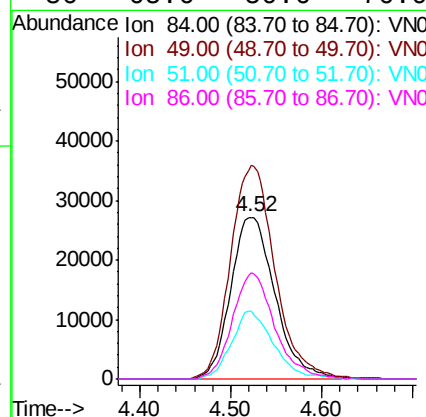
Manual Integrations
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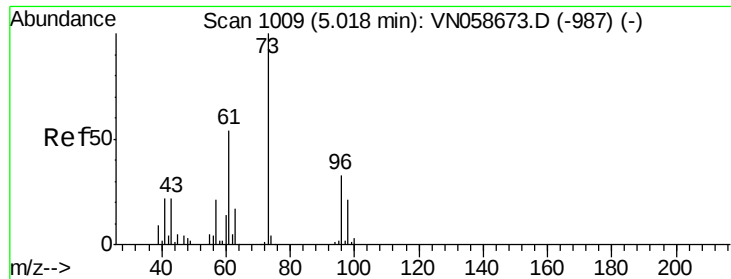
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#18
Methylene Chloride
Concen: 21.430 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.3	106.6	160.0
51	41.7	32.4	48.6
86	65.6	50.6	76.0





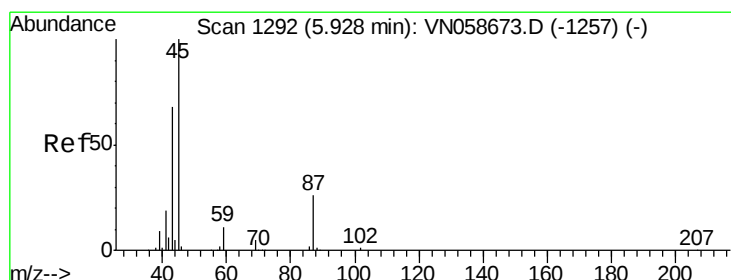
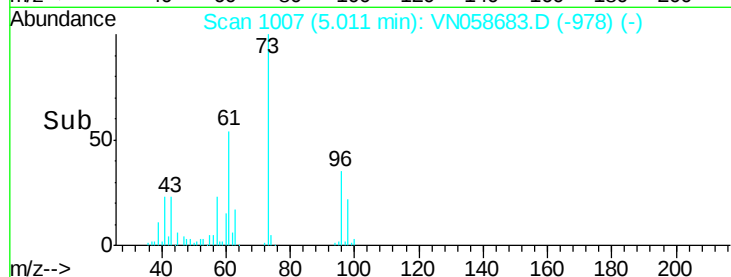
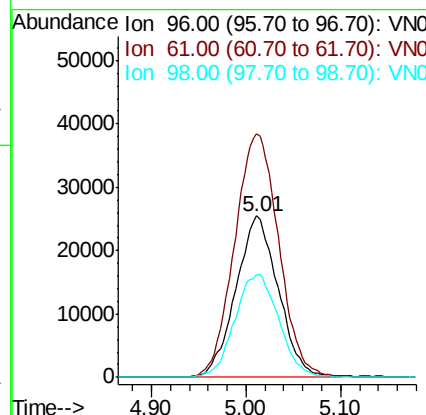
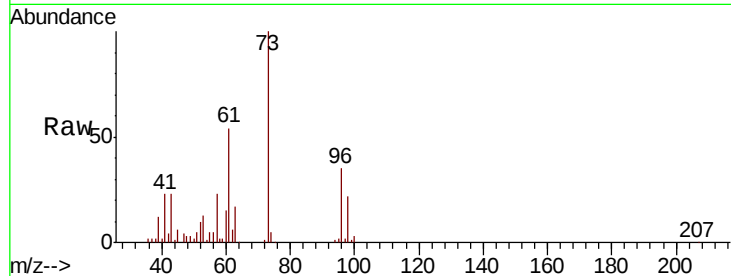
#19
trans-1,2-Dichloroethene
Concen: 20.475 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	131.8	197.6
98	63.5	52.6	79.0

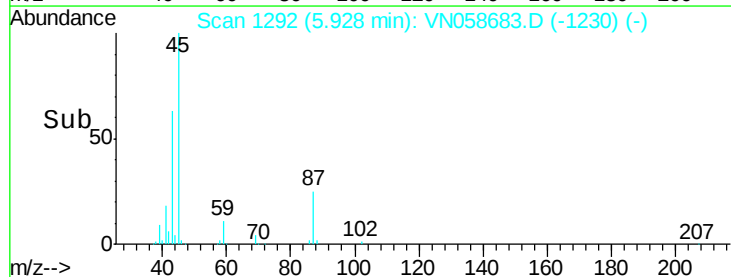
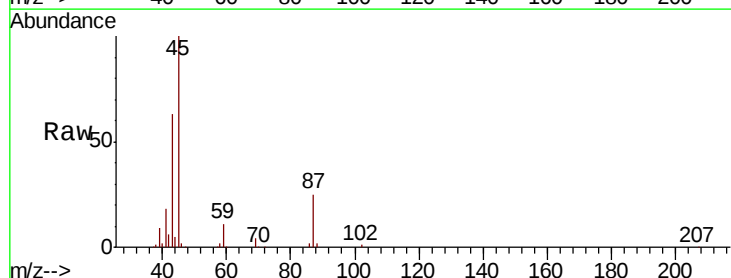
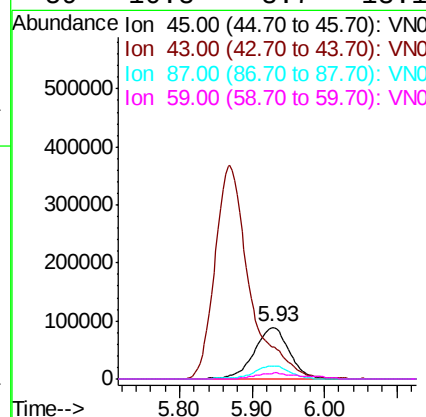
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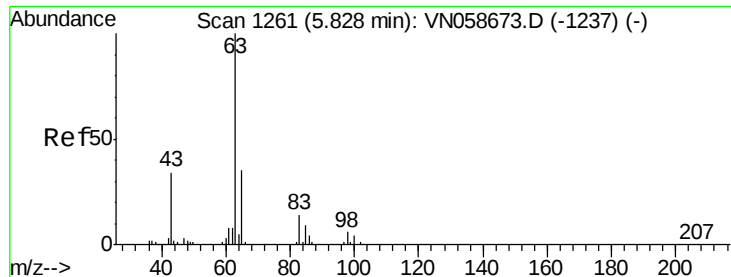
MMDadoda
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#20
Diisopropyl ether
Concen: 20.890 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	54.7	82.1
87	25.1	21.5	32.3
59	10.8	8.7	13.1





#21

1,1-Dichloroethane

Concen: 21.082 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

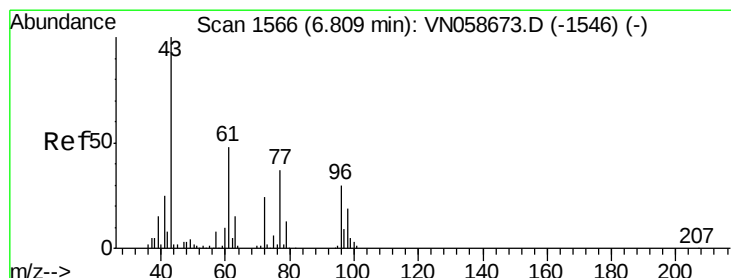
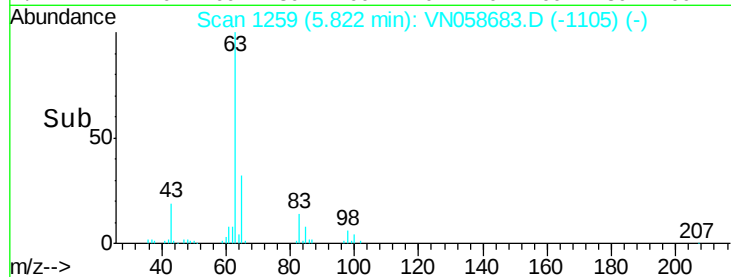
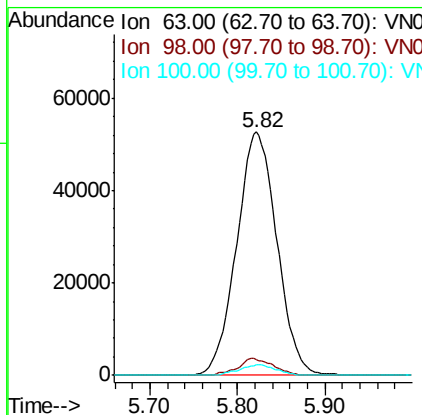
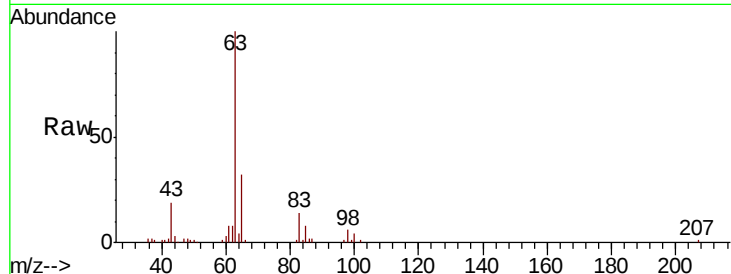
ClientSampleId :

VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	167945		
98	6.5	2.9	8.6	
100	4.3	1.8	5.5	

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.698 ug/l

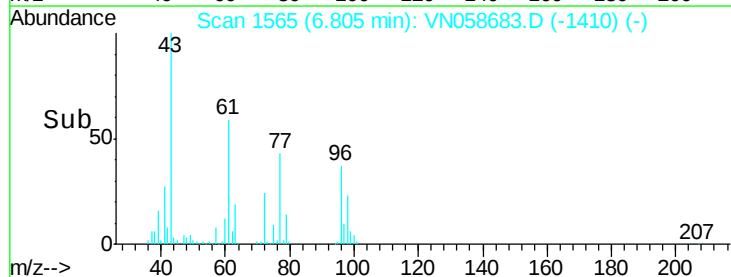
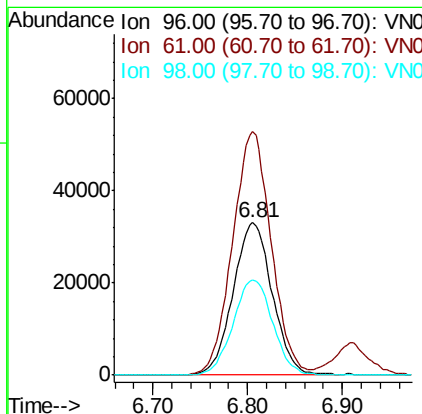
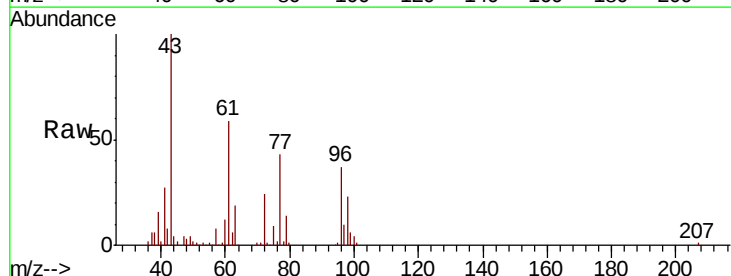
RT: 6.81 min Scan# 1565

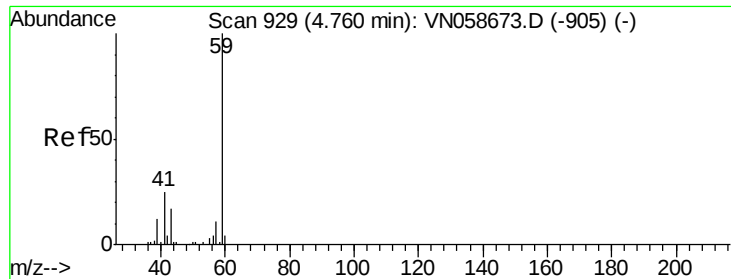
Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	95310		
61	157.4	127.2	190.8	
98	63.3	50.5	75.7	





#23

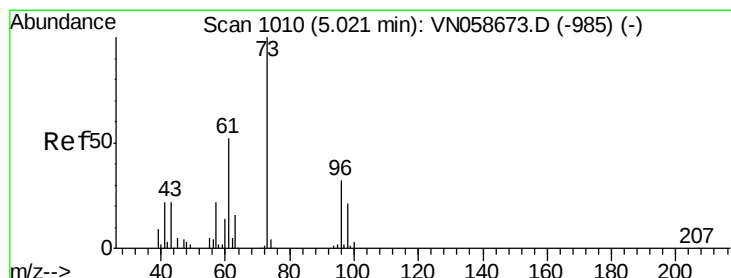
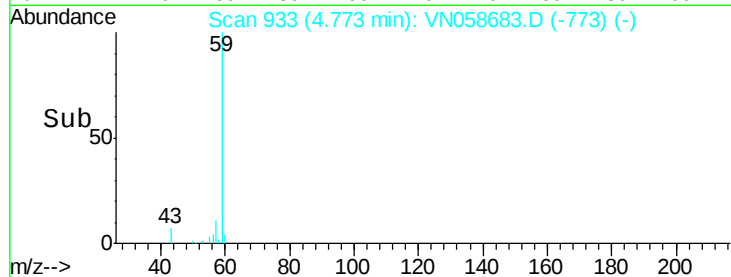
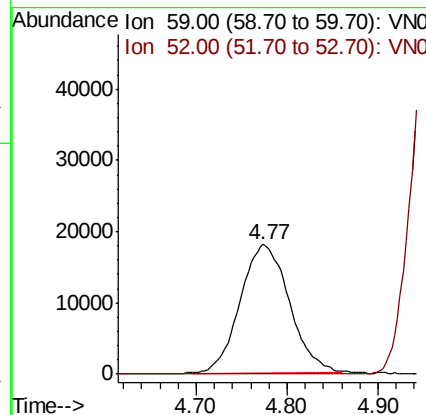
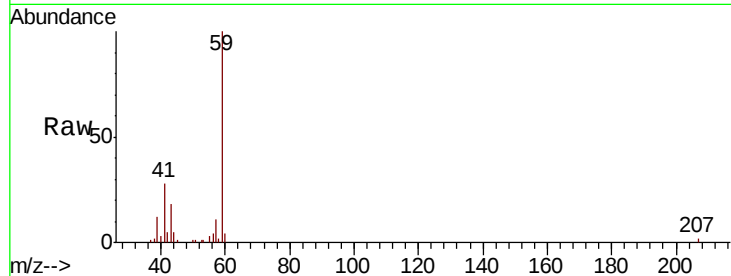
tert-Butyl Alcohol
 Concen: 74.514 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.0		0.0	0.0	0.0

Manual Integrations
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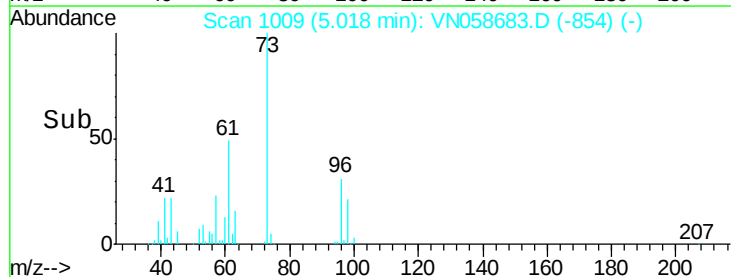
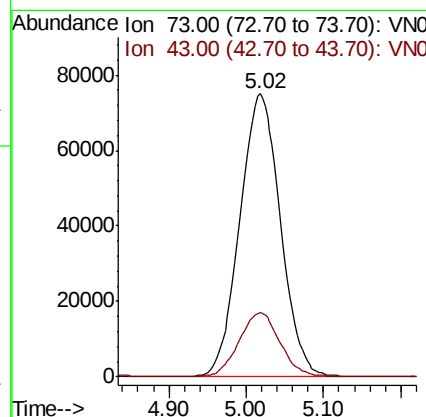
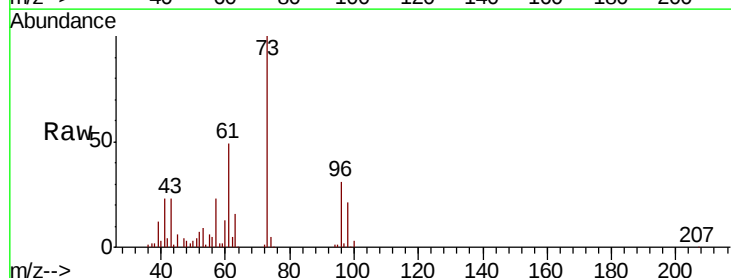
MMDadoda
 10/11/2019 2:47:06 PM

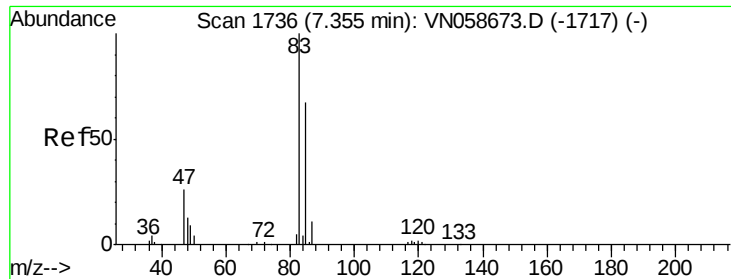


#24

Methyl tert-Butyl Ether
 Concen: 20.732 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	22.6		17.9	26.9	





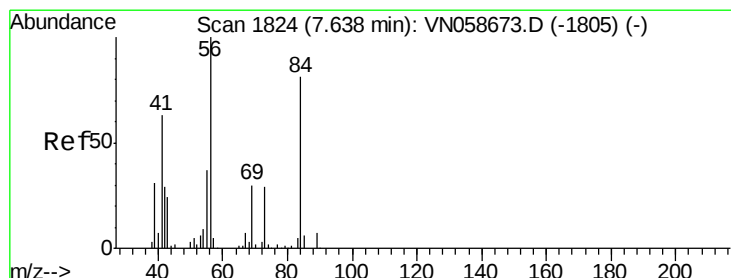
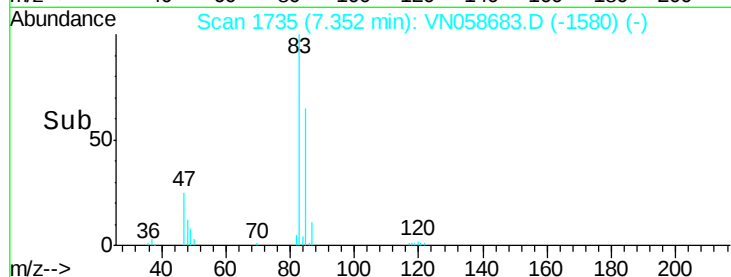
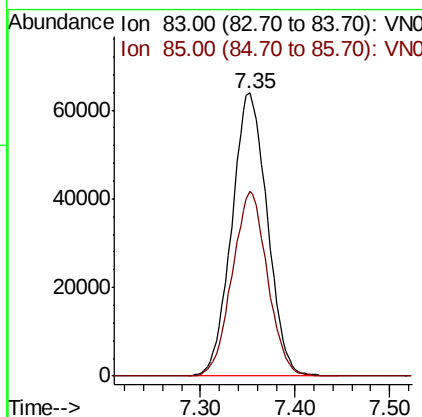
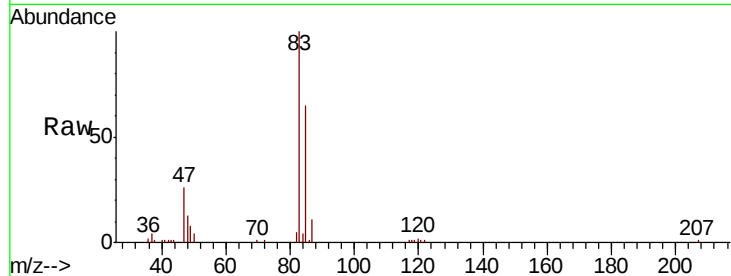
#25
Chloroform
Concen: 20.987 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	83	Resp	166746
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	53.8	80.8

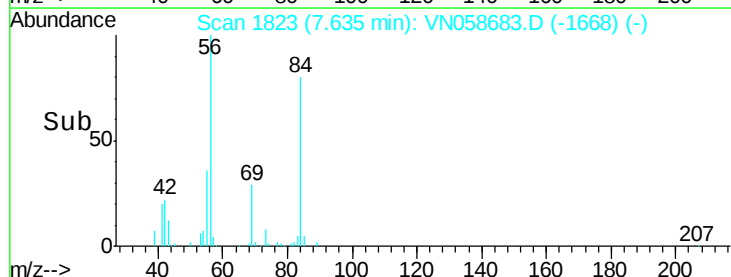
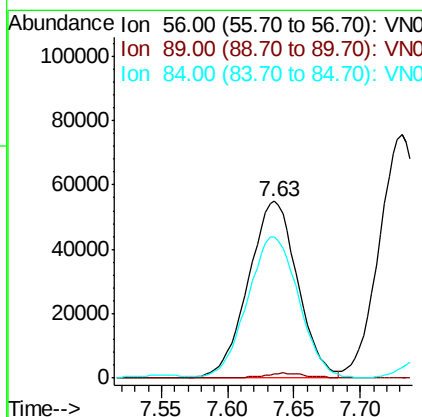
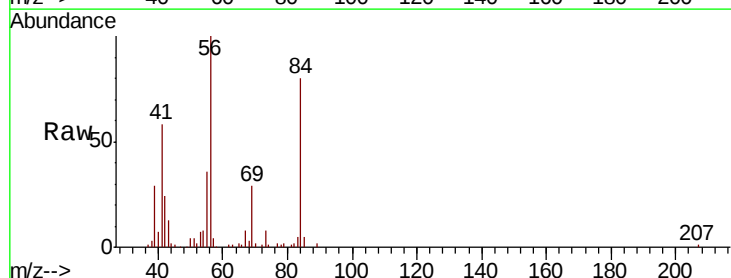
Manual Integrations
APPROVED

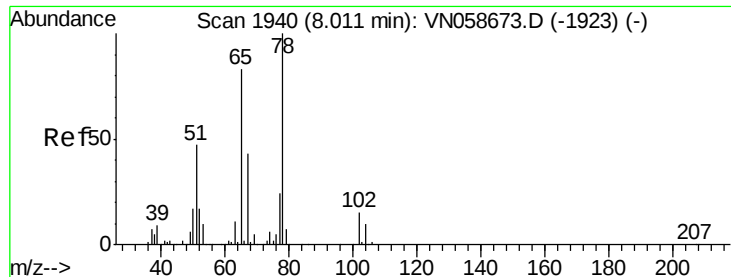
MMDadoda
10/11/2019 2:47:06 PM



#26
Cyclohexane
Concen: 20.367 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	56	Resp	142410
Ion Ratio	100	Lower	Upper
56	100		
89	2.4	6.2	9.2#
84	83.5	65.6	98.4





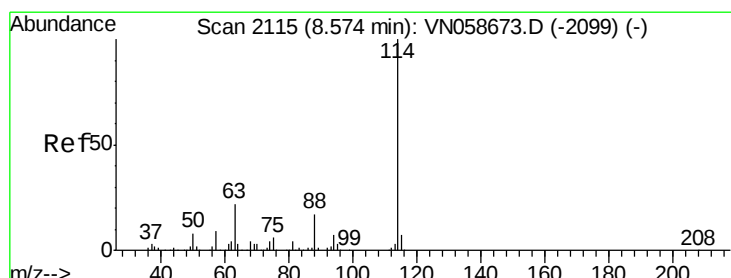
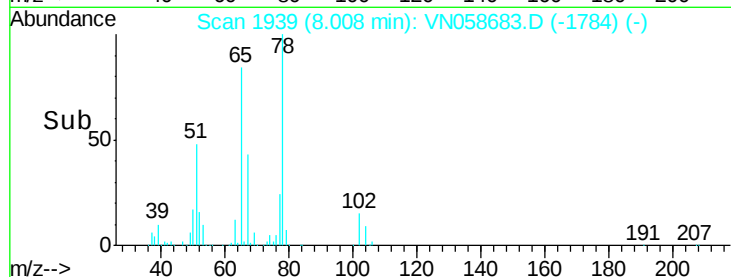
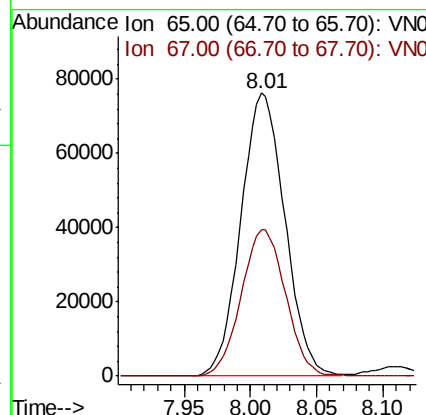
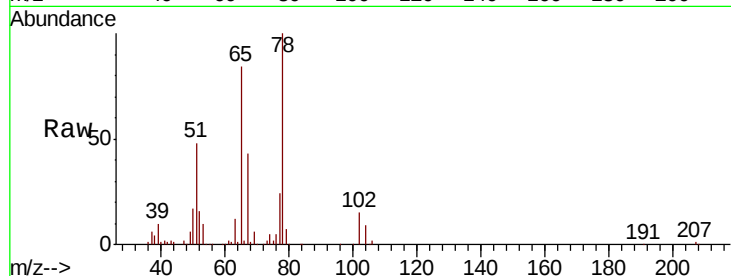
#27
 1,2-Dichloroethane-d4
 Concen: 30.609 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176141		
67	52.2	41.5	62.3	

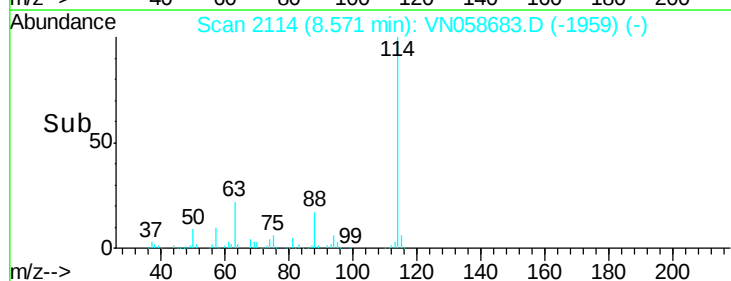
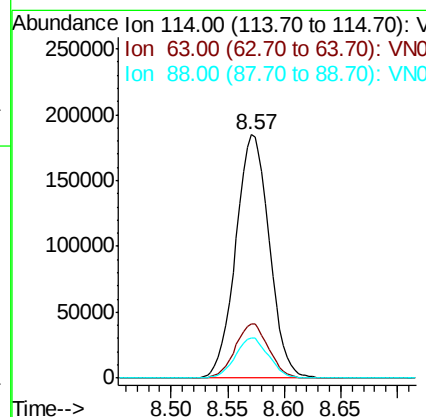
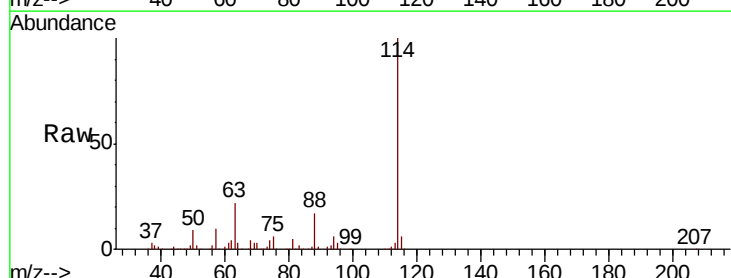
Manual Integrations
 APPROVED

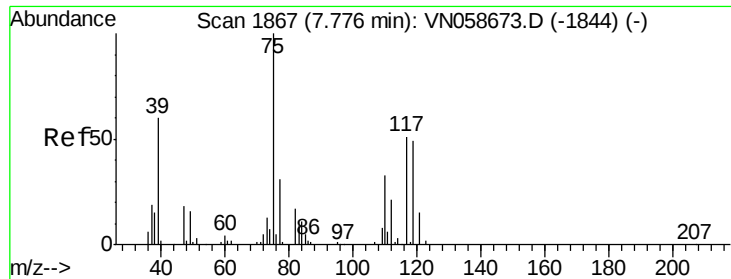
MMDadoda
 10/11/2019 2:47:06 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	382169		
63	22.3	18.1	27.1	
88	16.4	13.0	19.4	





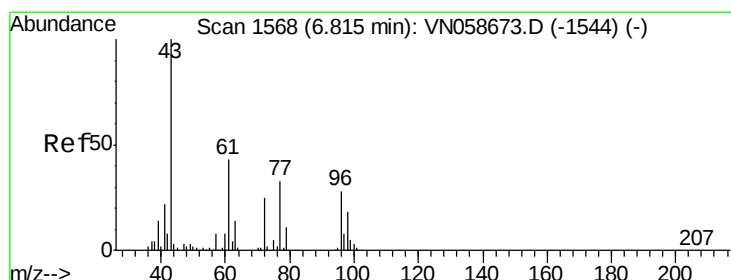
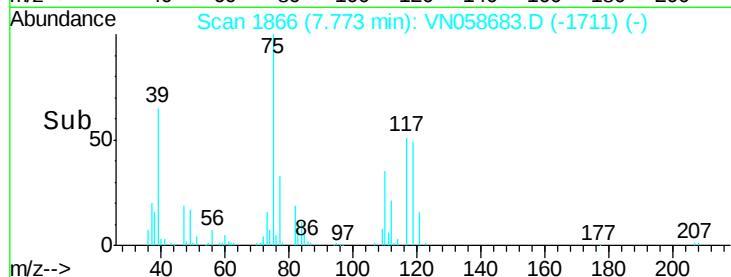
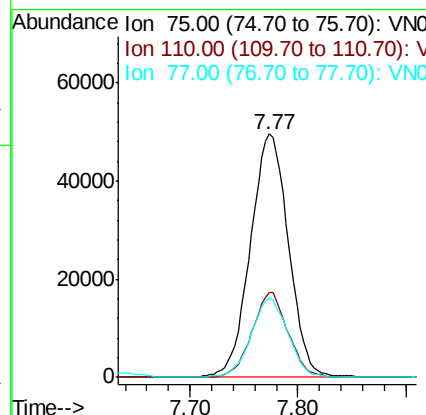
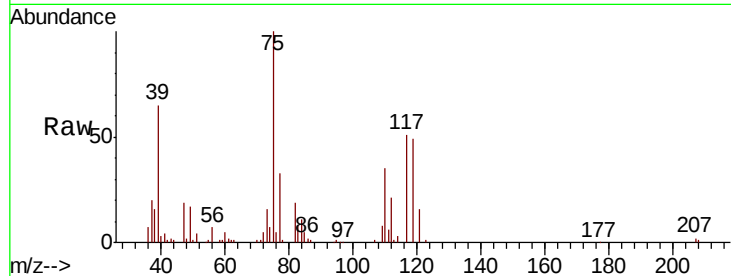
#29
 1,1-Dichloropropene
 Concen: 20.240 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	121765		
110	32.7	0.0	64.6	
77	31.5	0.0	60.8	

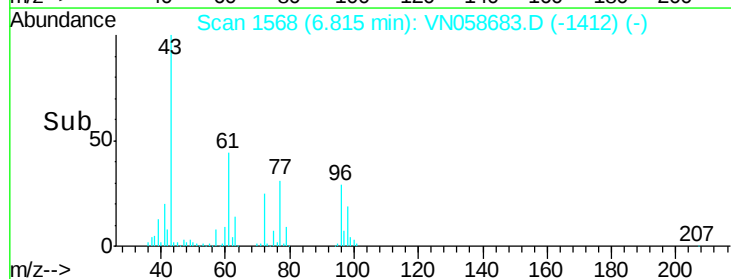
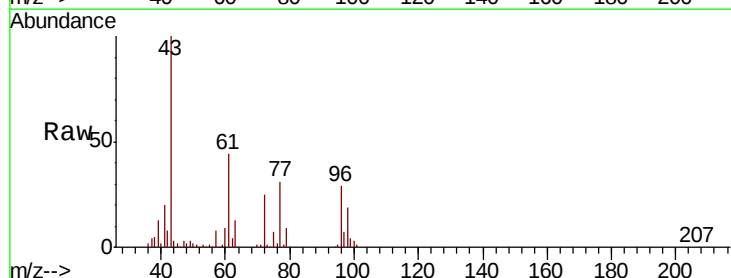
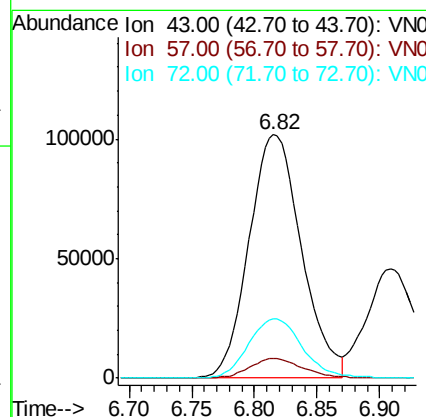
Manual Integrations
 APPROVED

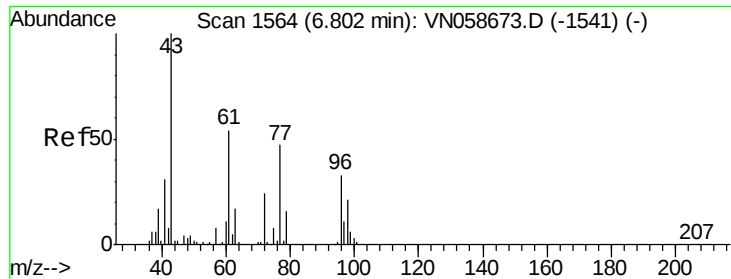
MMDadoda
 10/11/2019 2:47:06 PM



#30
 2-Butanone
 Concen: 86.648 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	294567		
57	8.1	6.5	9.7	
72	24.9	20.1	30.1	





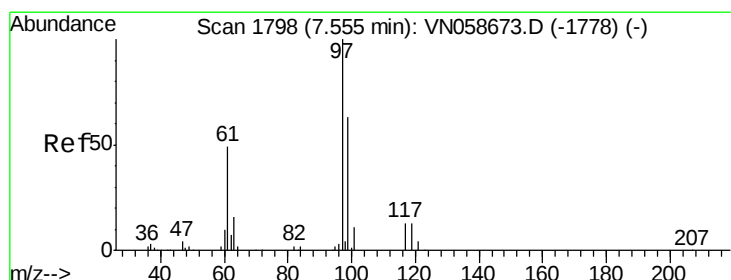
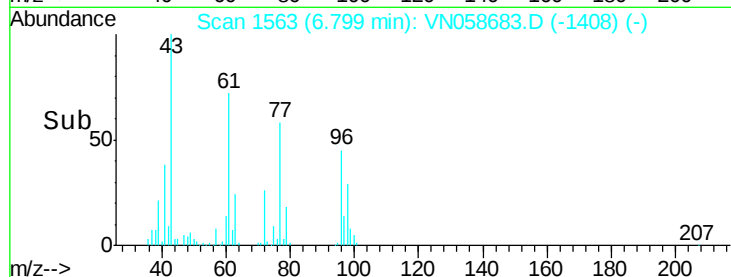
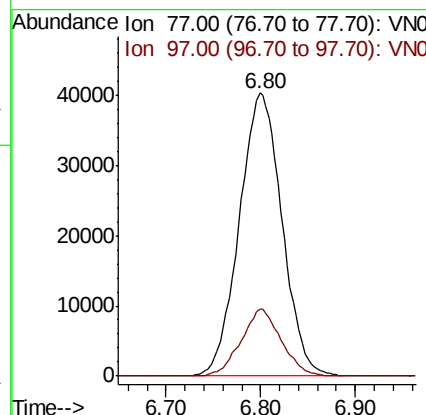
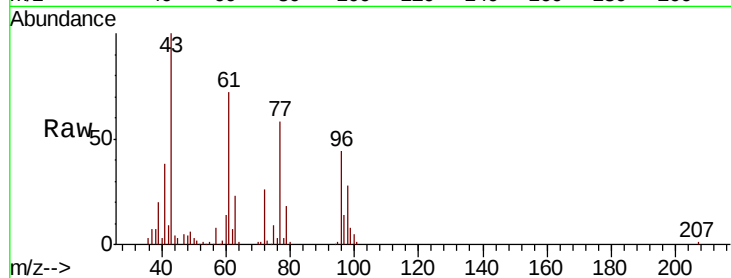
#31
 2,2-Dichloropropane
 Concen: 17.784 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.3	17.9	26.9

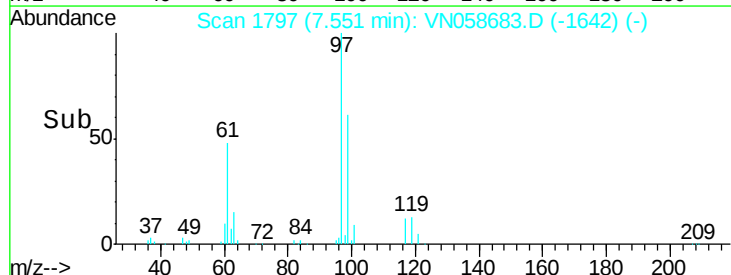
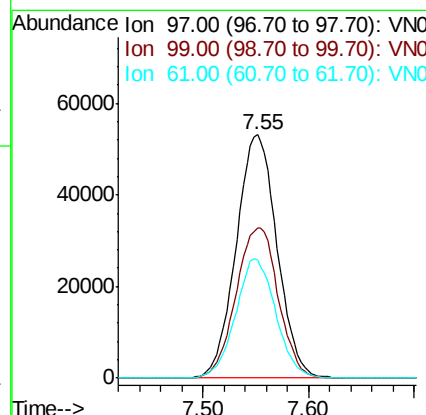
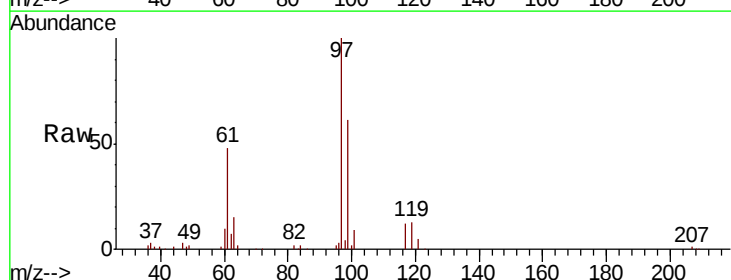
Manual Integrations
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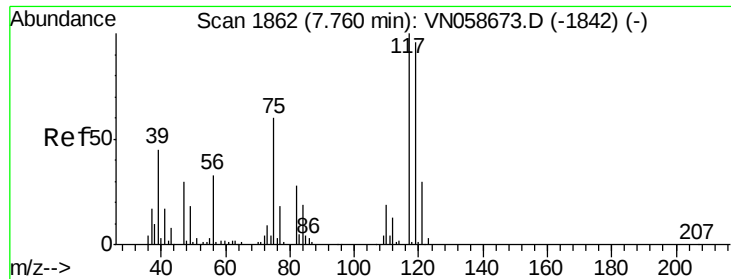
MMDadoda
 10/11/2019 2:47:06 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.563 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	48.1	38.4	57.6





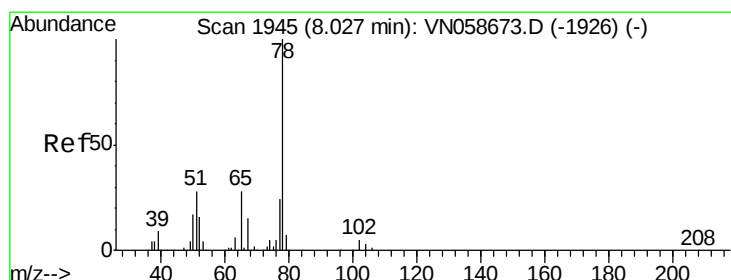
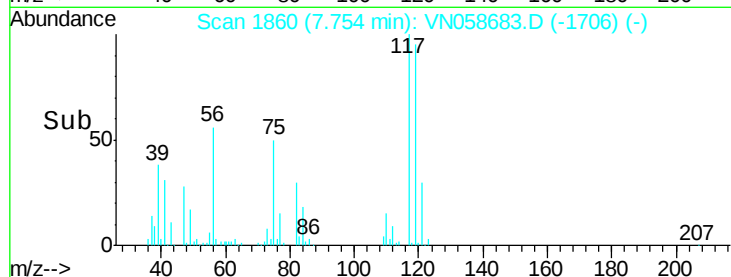
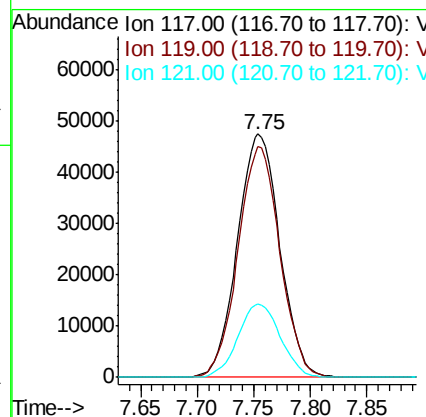
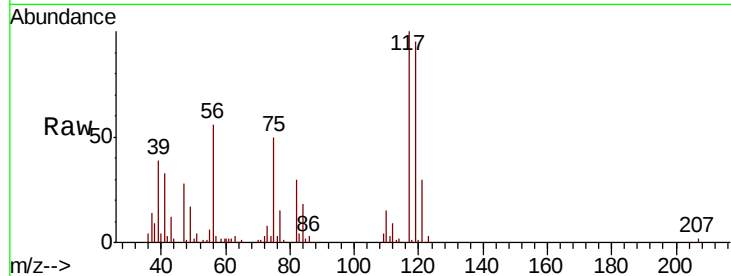
#33
Carbon Tetrachloride
Concen: 20.476 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.9	115.3
121	30.0	23.8	35.8

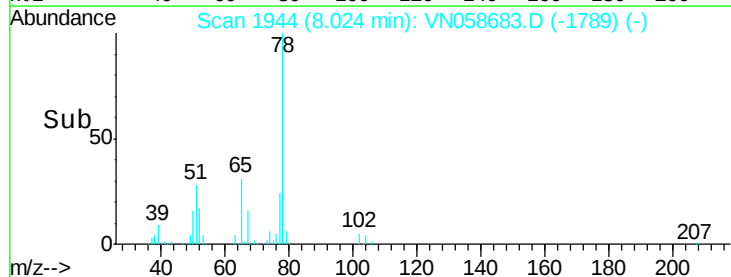
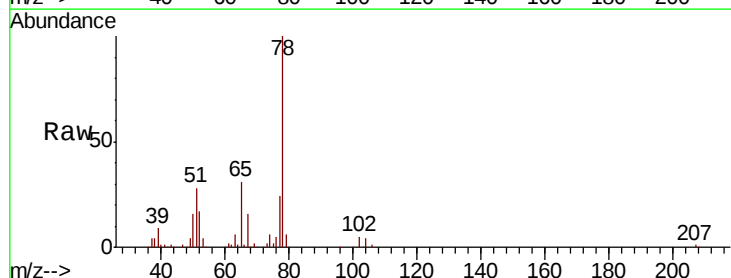
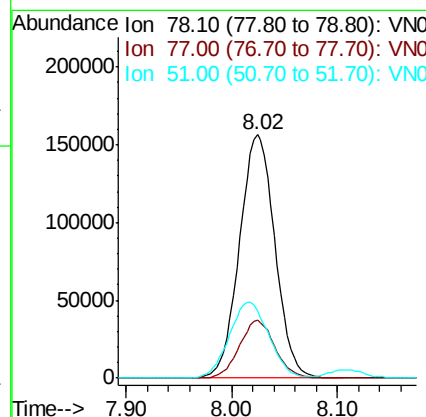
Manual Integrations
APPROVED

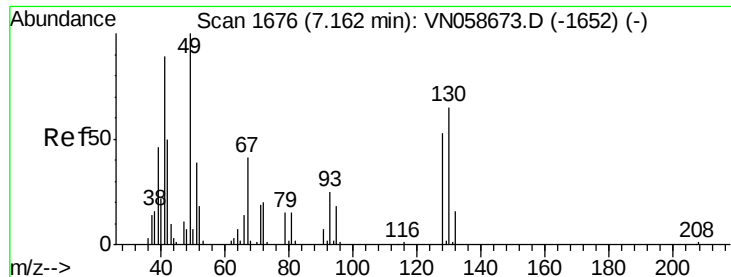
MMDadoda
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#34
Benzene
Concen: 20.640 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.2	28.8
51	27.5	22.1	33.1





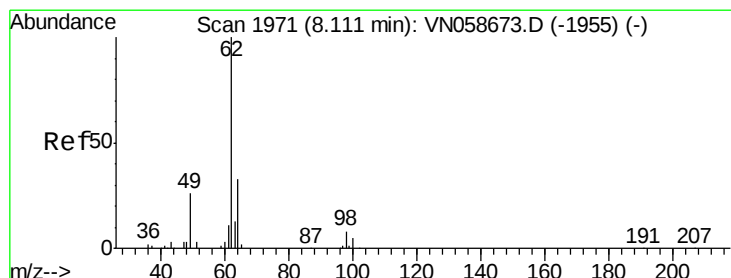
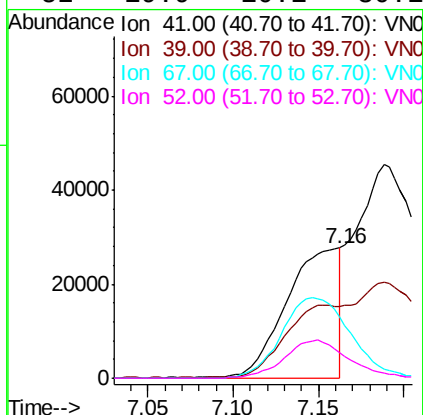
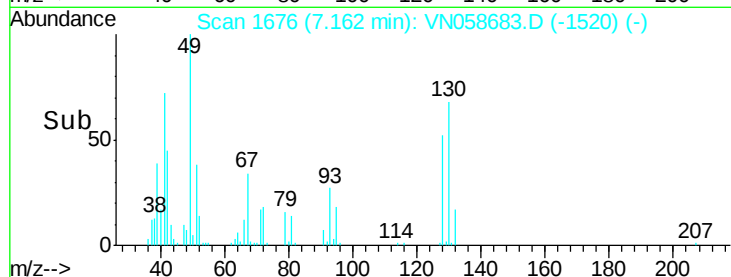
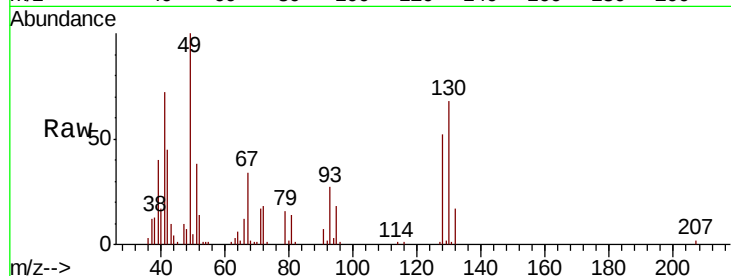
#35
Methacrylonitrile
Concen: 20.098 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.2	25.8	77.4	
67	46.8	23.0	69.0	
52	19.9	10.1	30.1	

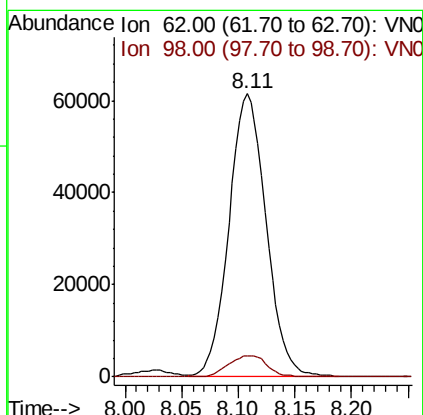
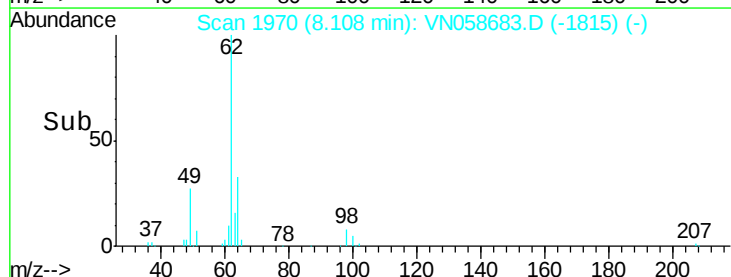
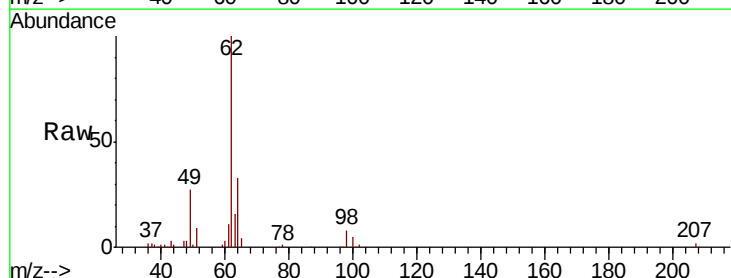
Manual Integrations
APPROVED

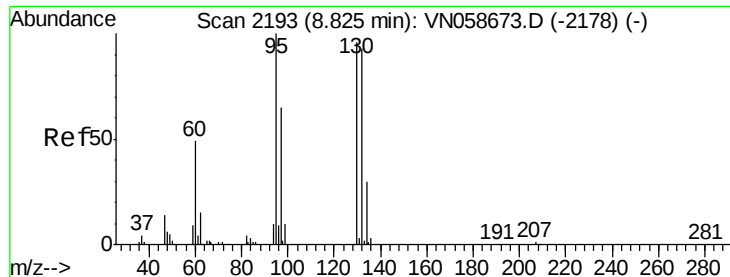
MMDadoda
10/11/2019 2:47:06 PM



#36
1,2-Dichloroethane
Concen: 20.791 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

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





#37

Trichloroethene

Concen: 20.340 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion:130 Resp: 88499

Ion Ratio Lower Upper

130 100

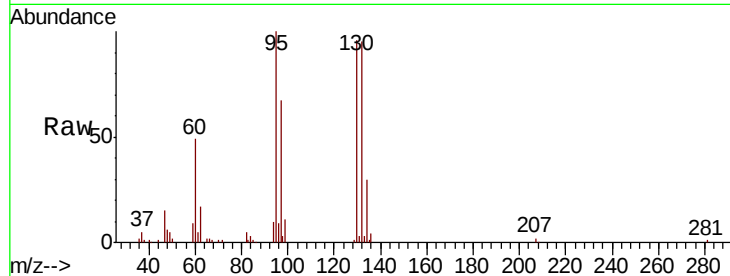
95 103.5 83.2 124.8

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN058683.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN058683.D (-2178) (-)

8.82

50000

40000

30000

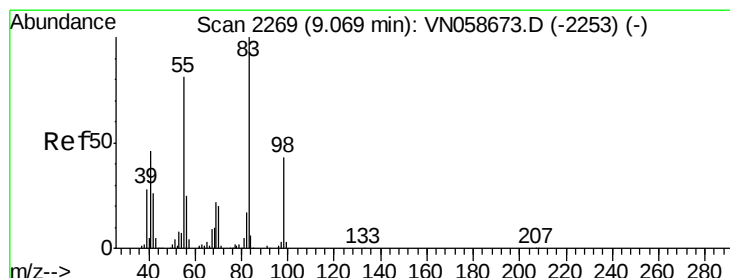
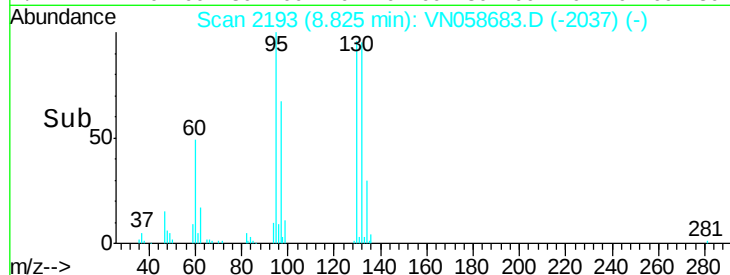
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.326 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

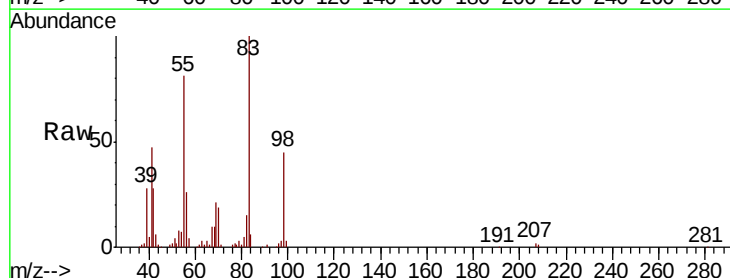
Tgt Ion: 83 Resp: 134801

Ion Ratio Lower Upper

83 100

55 80.9 40.4 121.1

98 45.3 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN058683.D (-2253) (-)

Ion 55.00 (54.70 to 55.70): VN058683.D (-2253) (-)

Ion 98.00 (97.70 to 98.70): VN058683.D (-2253) (-)

9.07

80000

60000

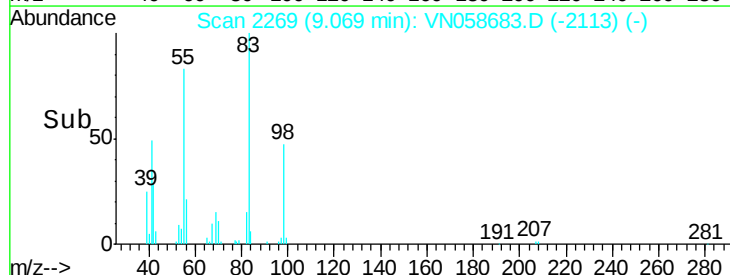
40000

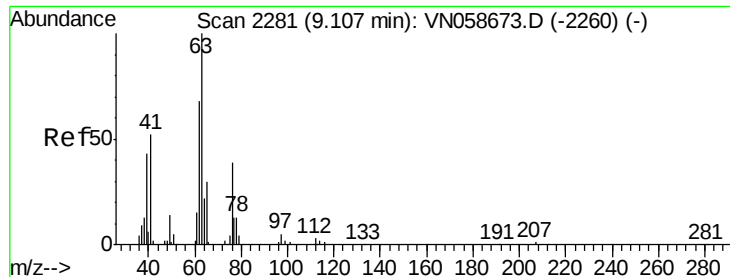
20000

0

9.00 9.05 9.10 9.15

Time-->





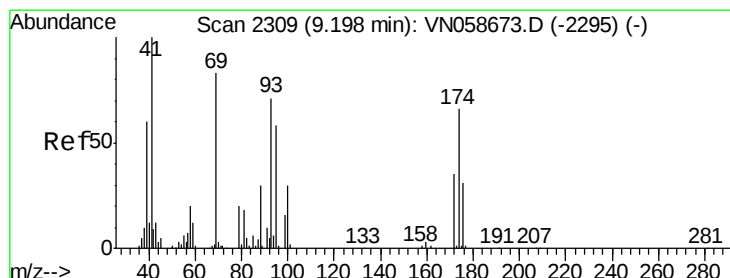
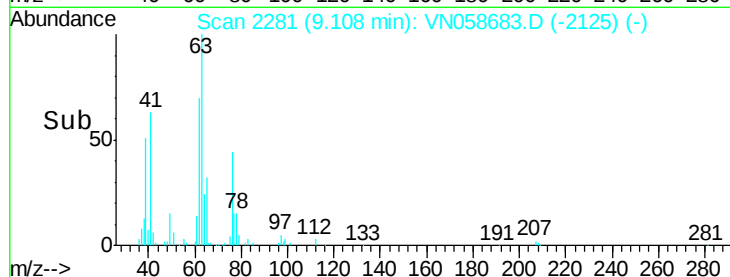
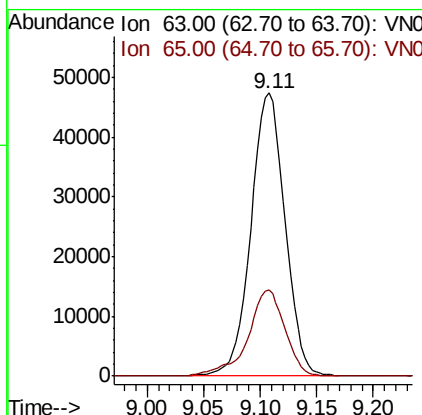
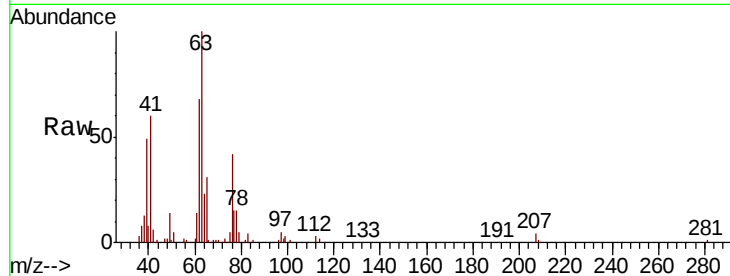
#39
 1,2-Dichloropropane
 Concen: 20.519 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.8	35.6

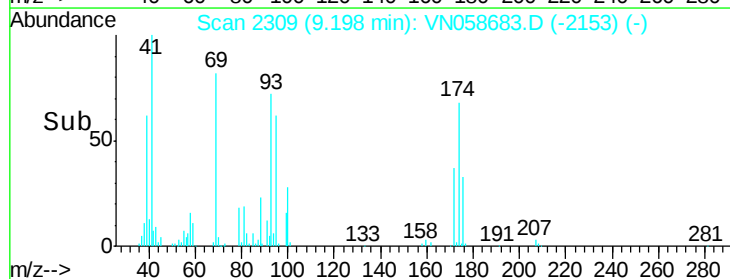
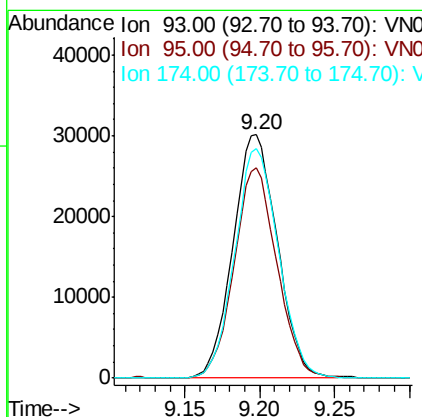
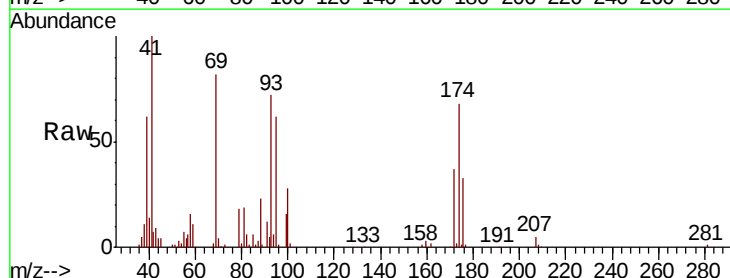
Manual Integrations
 APPROVED

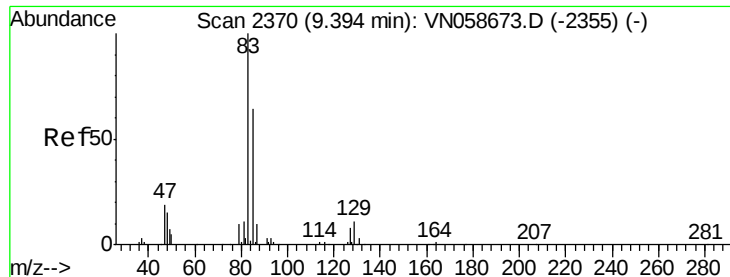
MMDadoda
 10/11/2019 2:47:06 PM



#40
 Dibromomethane
 Concen: 20.356 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	167.6
174	93.0	0.0	187.2





#41

Bromodichloromethane

Concen: 19.974 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

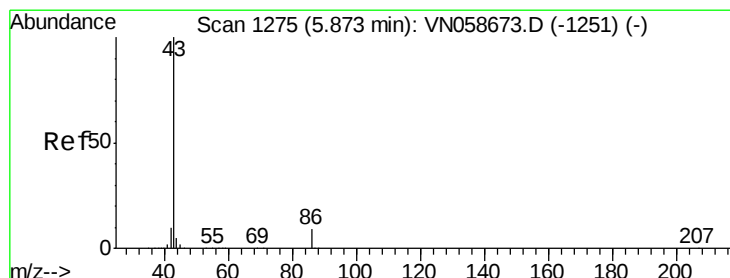
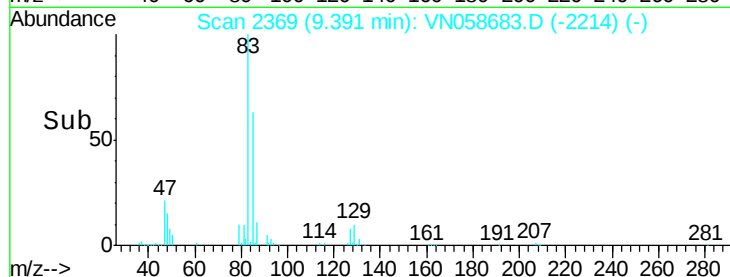
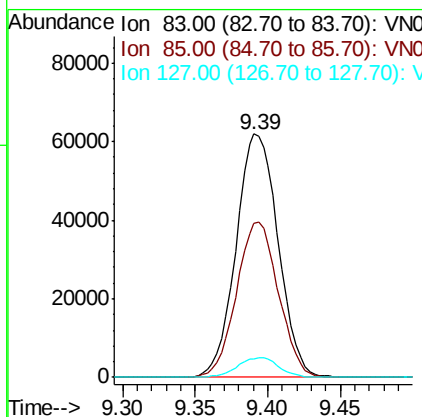
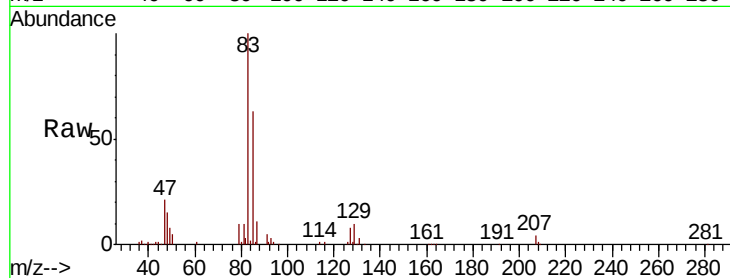
ClientSampleId :

VN1011WBSD01

Tot Ion:	83	Resp:	124681
Ion Ratio	Lower	Upper	
83	100		
85	63.2	51.0	76.4
127	7.8	6.6	9.8

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#42

Vinyl Acetate

Concen: 102.296 ug/l

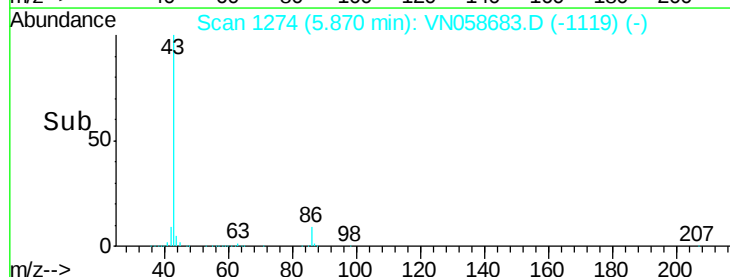
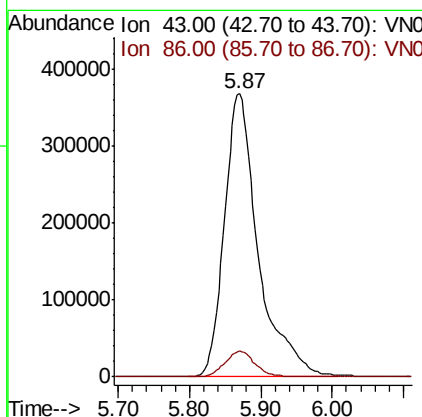
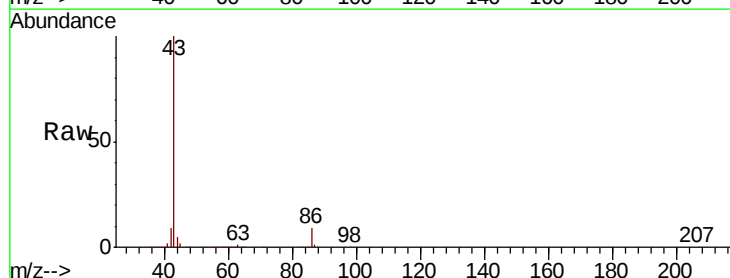
RT: 5.87 min Scan# 1274

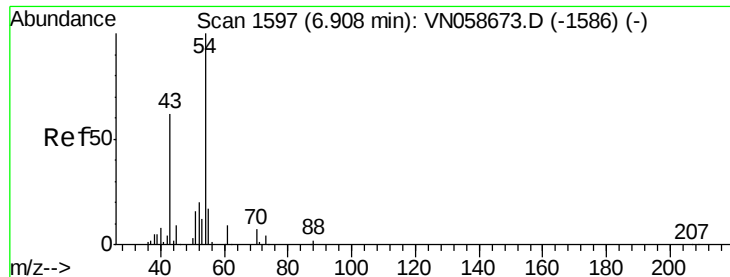
Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Tgt Ion:	43	Resp:	1217939
Ion Ratio	Lower	Upper	
43	100		
86	8.1	6.5	9.7





#43

Ethyl Acetate

Concen: 18.898 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion: 43 Resp: 126098

Ion Ratio Lower Upper

43 100

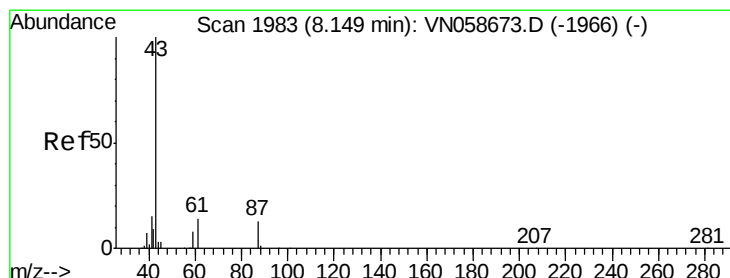
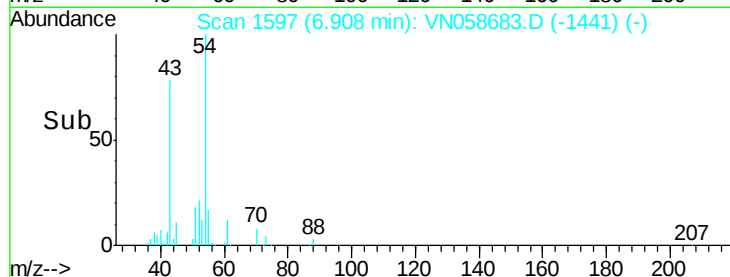
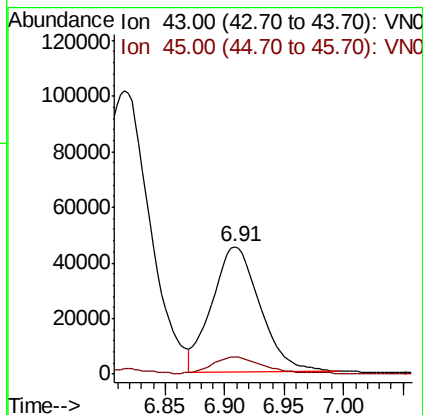
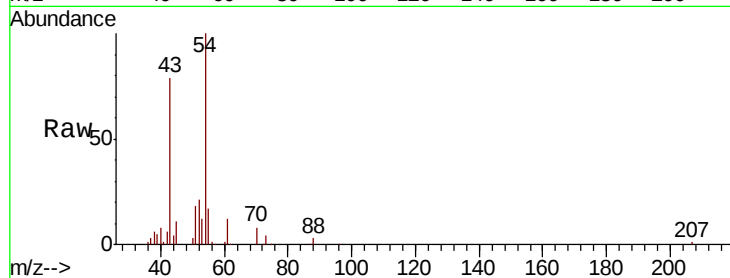
45 12.8 9.7 14.5

Manual Integrations

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#44

Isopropyl Acetate

Concen: 19.557 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058683.D

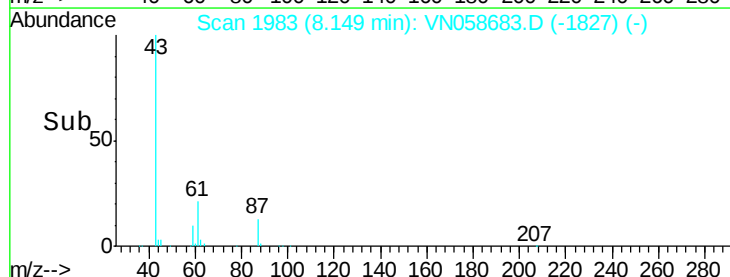
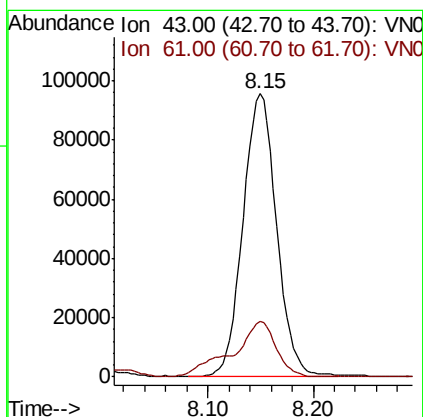
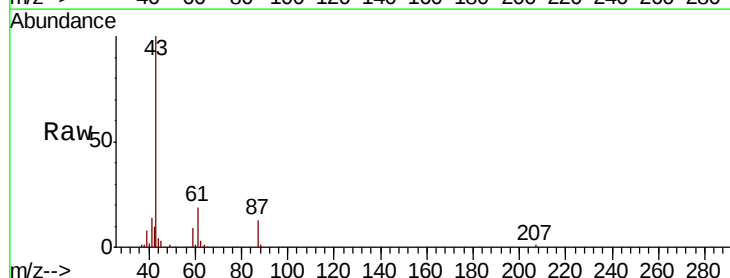
Acq: 10 Oct 2019 22:36

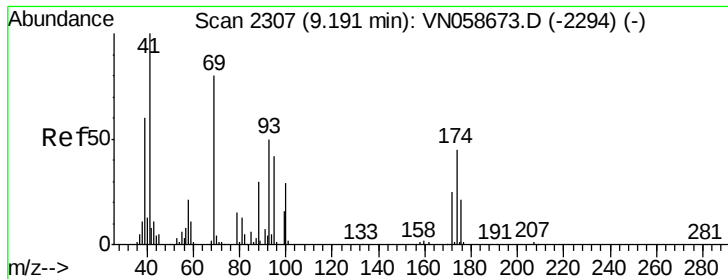
Tgt Ion: 43 Resp: 211379

Ion Ratio Lower Upper

43 100

61 18.7 19.9 29.9#





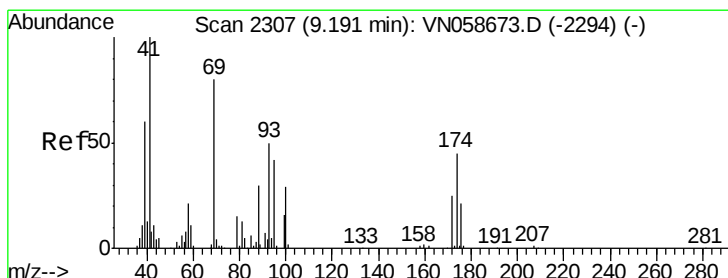
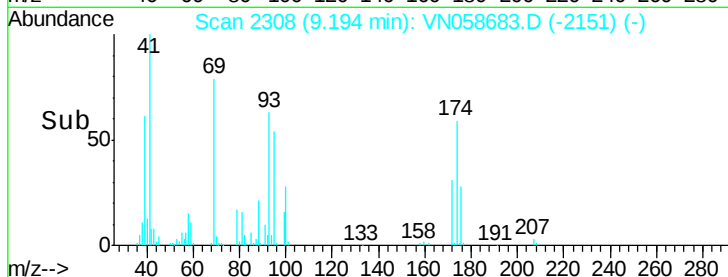
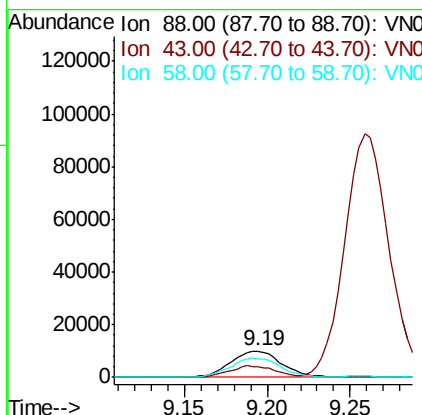
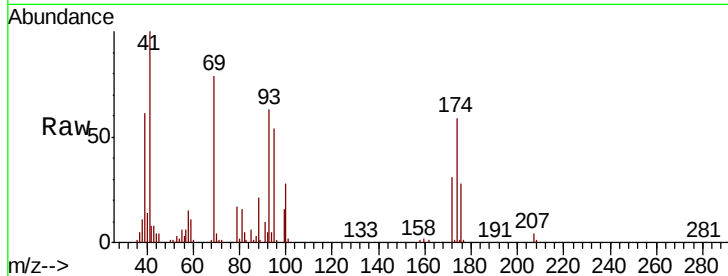
#45
 1,4-Dioxane
 Concen: 255.925 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	29.8	44.8
58	73.4	58.2	87.4

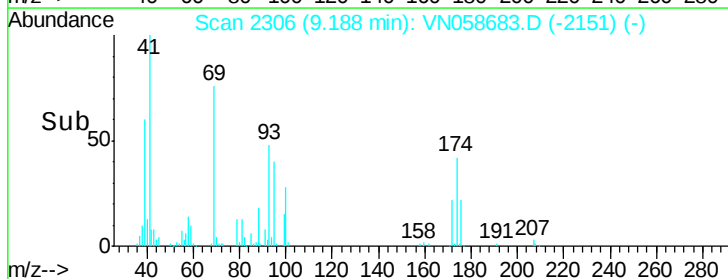
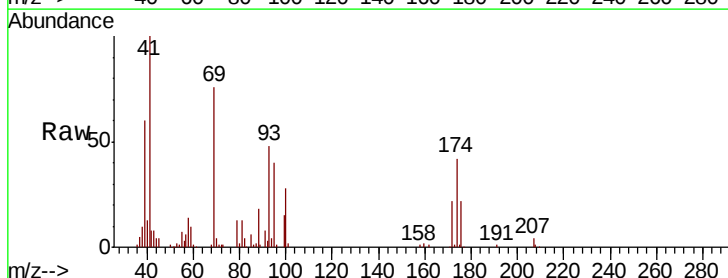
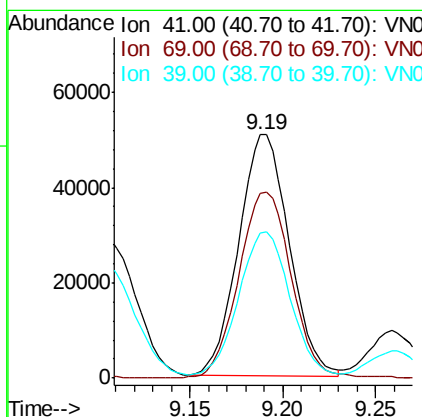
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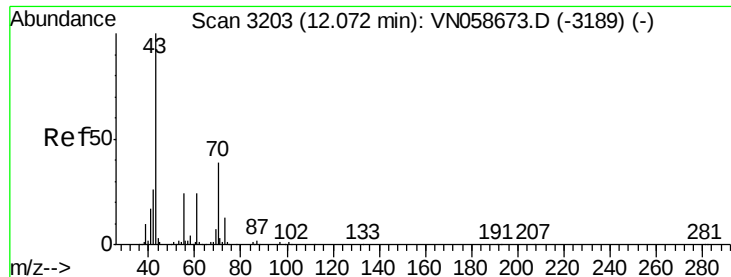
MMDadoda
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#46
 Methyl methacrylate
 Concen: 19.426 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.6	40.2	120.5
39	59.0	29.9	89.8





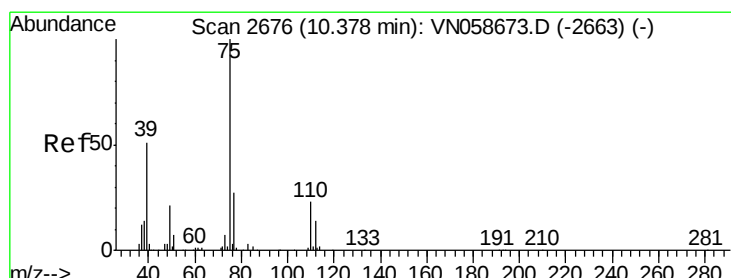
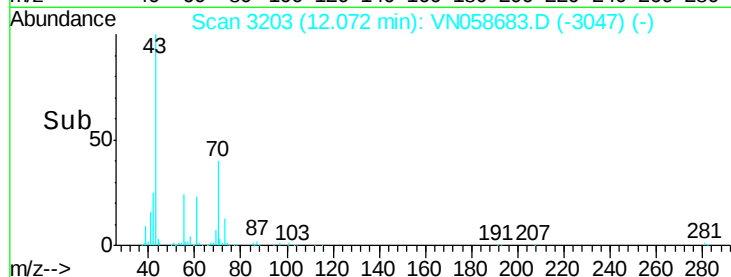
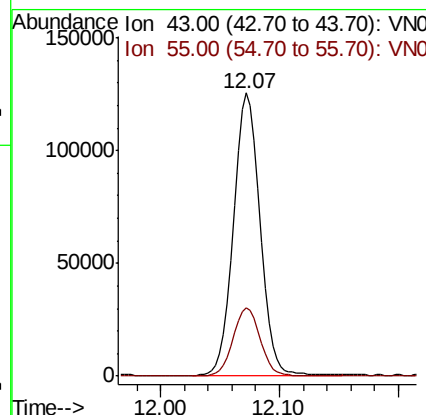
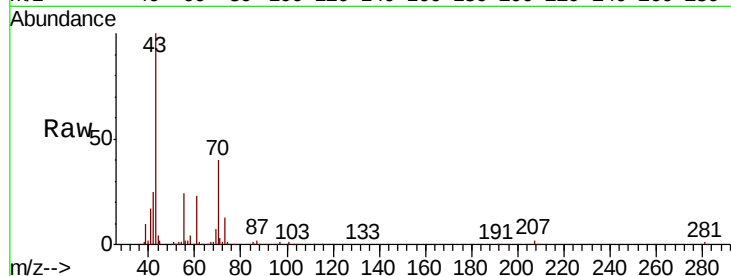
#47
n-amvl Acetate
Concen: 20.182 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion: 43 Resp: 193370
Ion Ratio Lower Upper
43 100
55 24.9 19.6 29.4

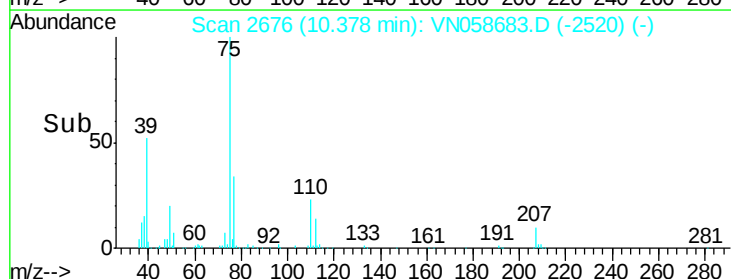
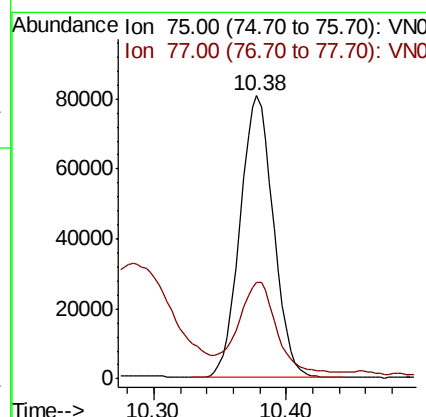
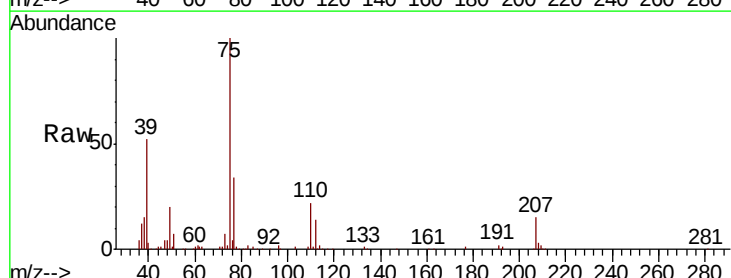
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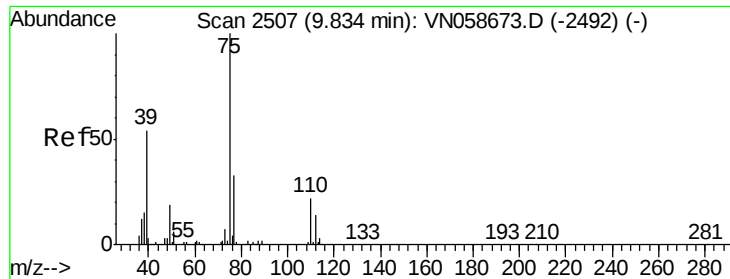
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 19.453 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion: 75 Resp: 140827
Ion Ratio Lower Upper
75 100
77 31.7 27.0 40.4





#49

cis-1,3-Dichloropropene

Concen: 19.587 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

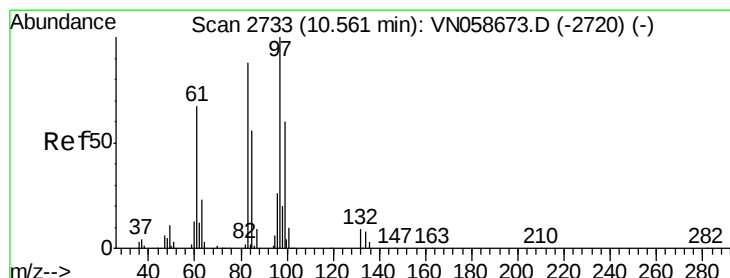
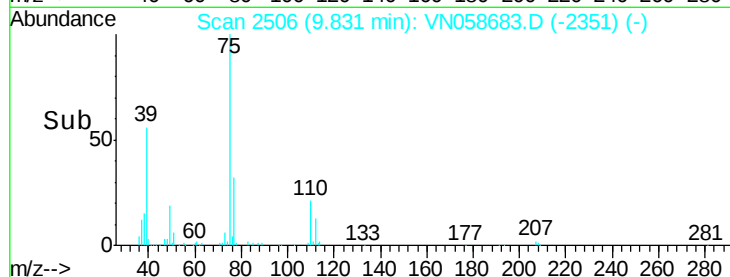
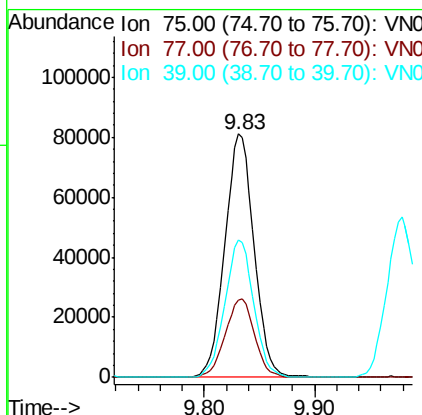
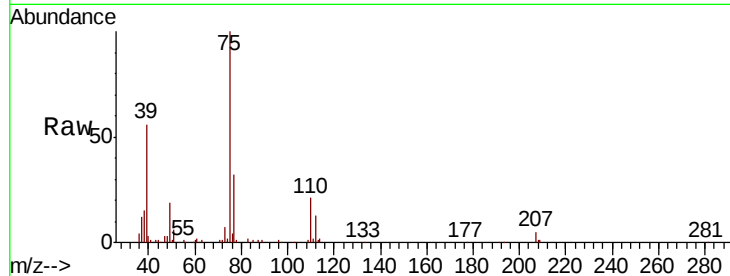
ClientSampleId :

VN1011WBSD01

Tot Ion:	75	Resp:	148902
Ion Ratio	Lower	Upper	
75	100		
77	31.7	26.1	39.1
39	56.5	43.1	64.7

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#50

1,1,2-Trichloroethane

Concen: 20.719 ug/l

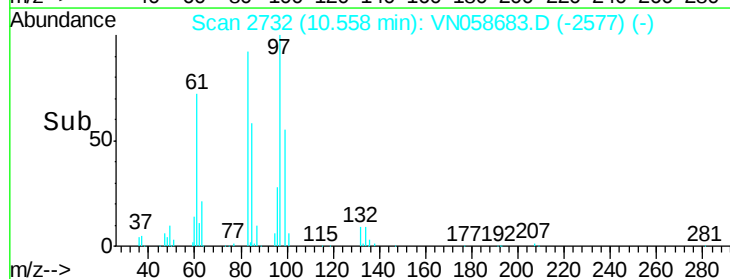
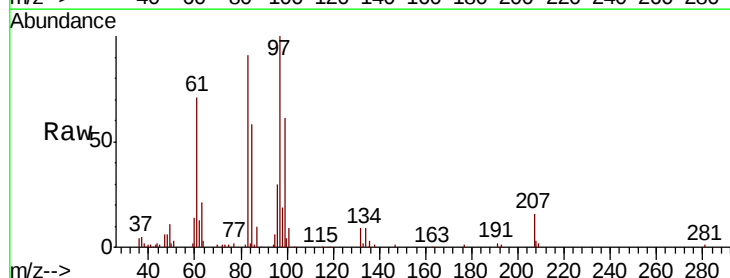
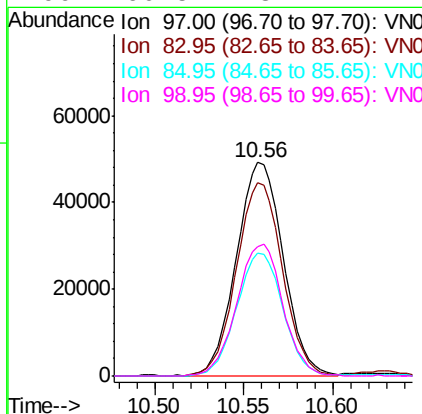
RT: 10.56 min Scan# 2732

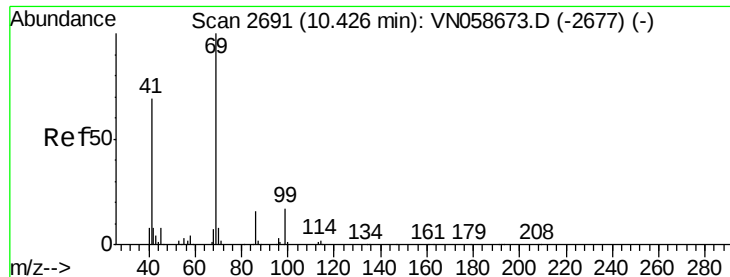
Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Tgt Ion:	97	Resp:	90375
Ion Ratio	Lower	Upper	
97	100		
83	90.0	70.7	106.1
85	57.8	45.1	67.7
99	60.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.519 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion: 69 Resp: 136138
Ion Ratio Lower Upper

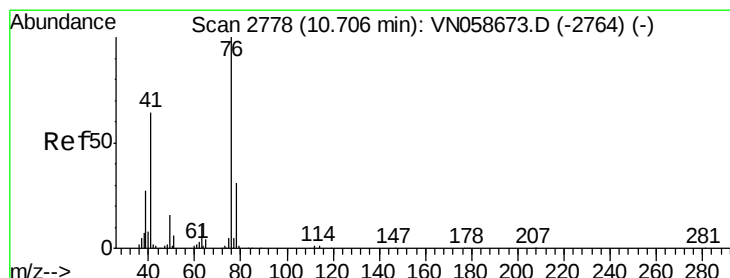
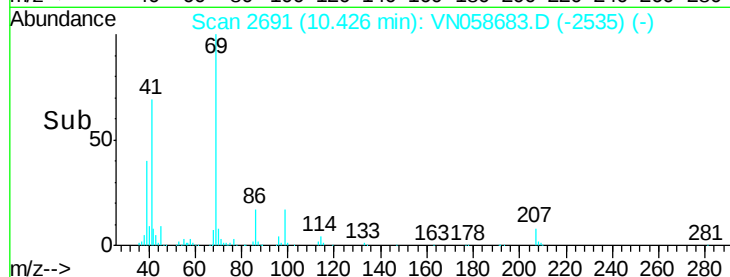
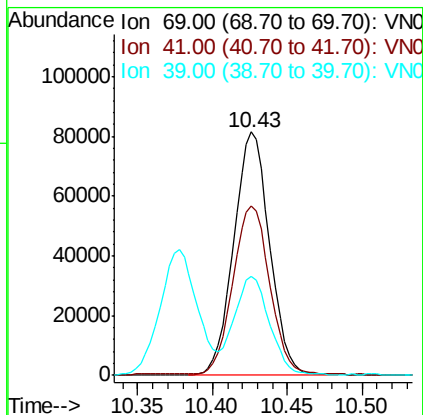
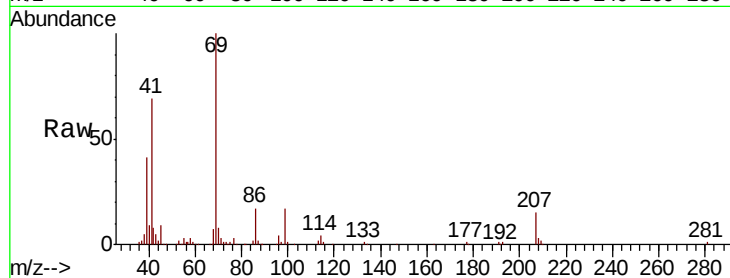
69 100

41 68.9 34.7 104.1

39 40.4 20.3 60.8

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#52

1,3-Dichloropropane

Concen: 20.518 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

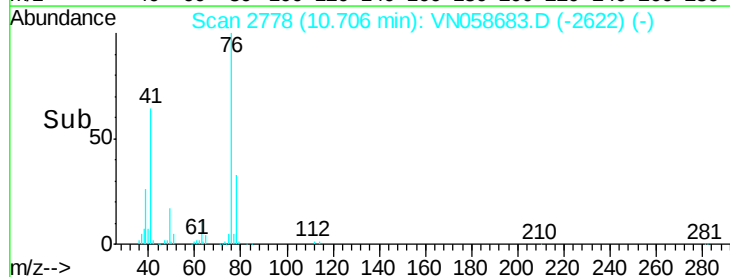
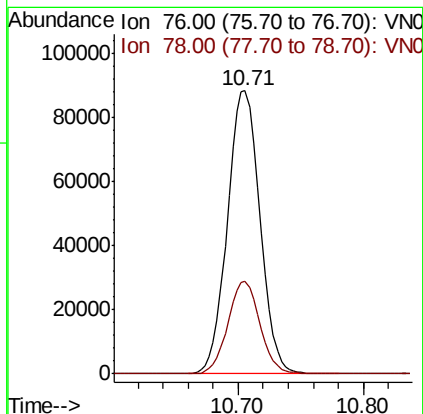
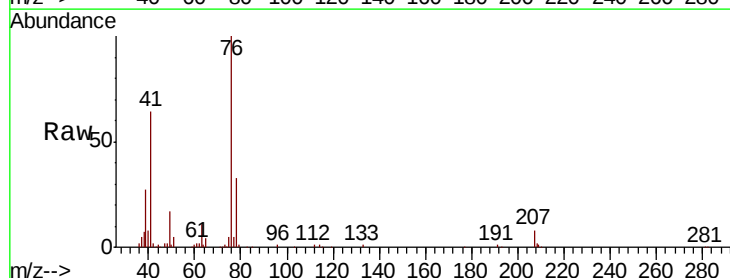
Lab File: VN058683.D

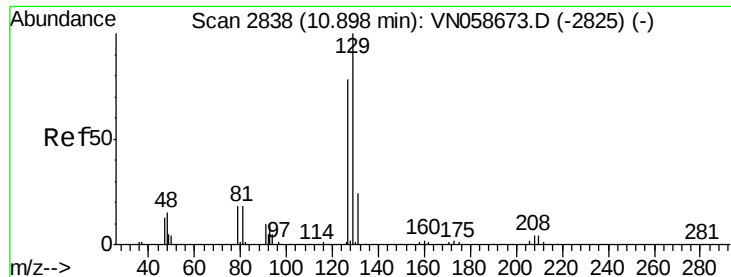
Acq: 10 Oct 2019 22:36

Tgt Ion: 76 Resp: 159383
Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.2





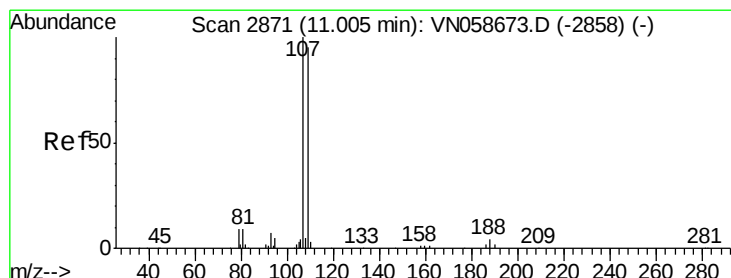
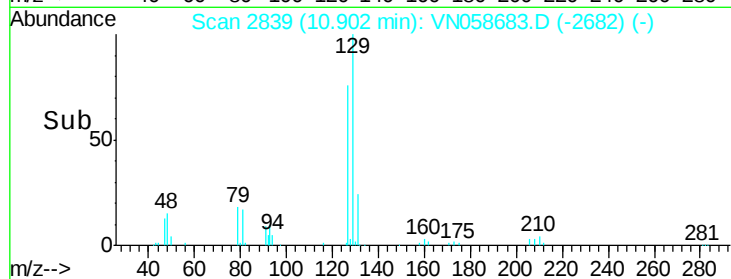
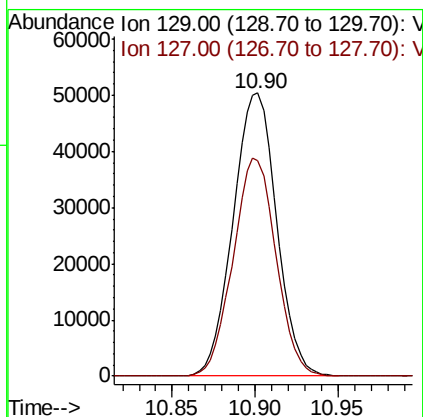
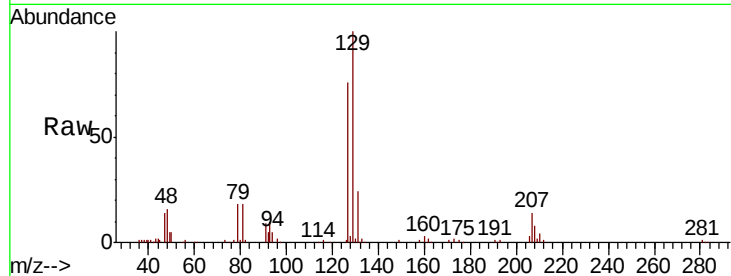
#53
 Dibromochloromethane
 Concen: 19.676 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion:129 Resp: 92105
 Ion Ratio Lower Upper
 129 100
 127 75.8 39.1 117.5

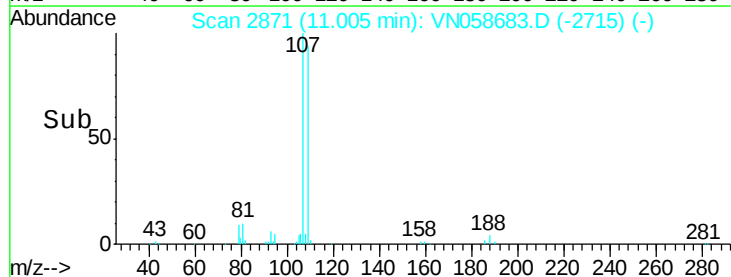
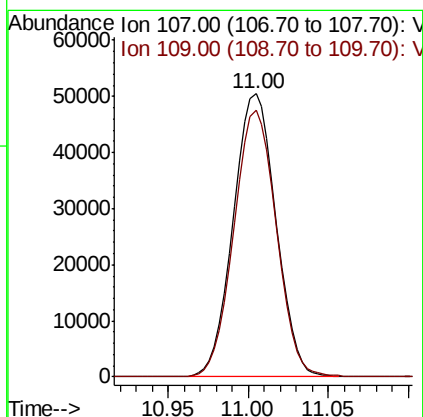
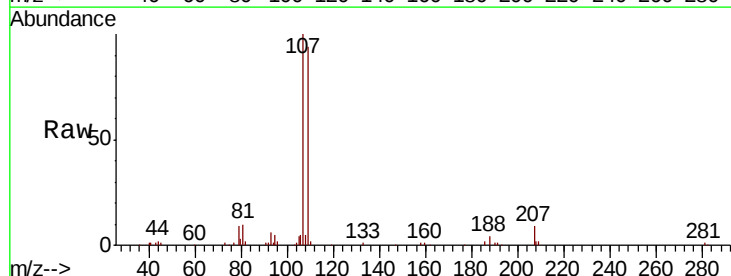
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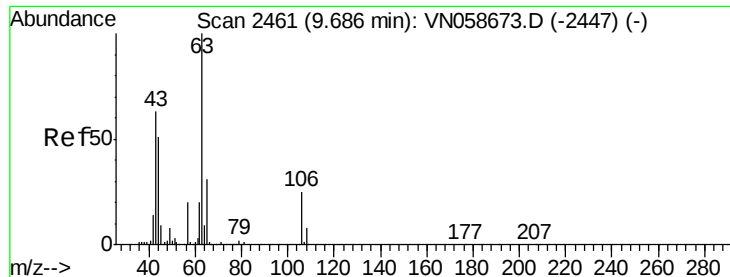
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#54
 1,2-Dibromoethane
 Concen: 20.317 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion:107 Resp: 91857
 Ion Ratio Lower Upper
 107 100
 109 93.7 76.2 114.4





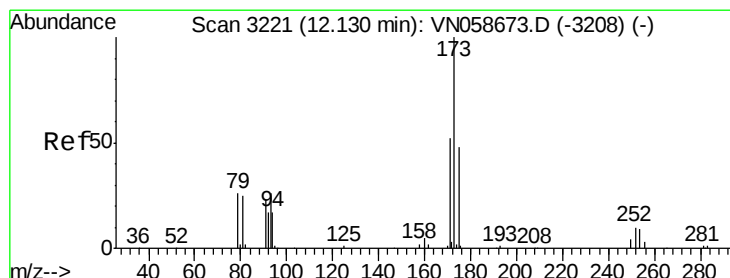
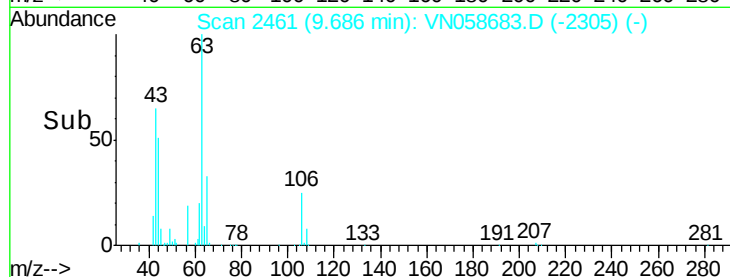
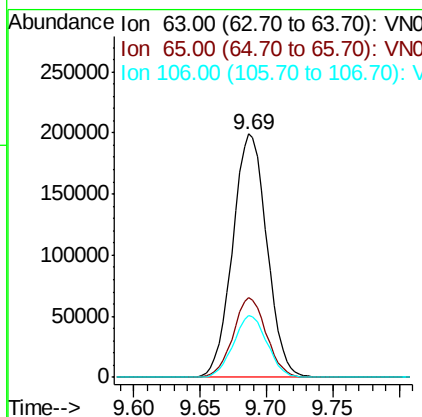
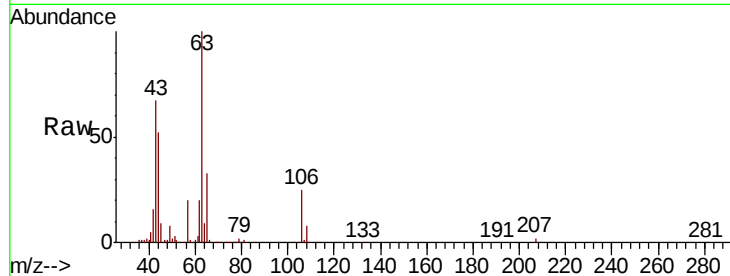
#55
2-Chloroethyl vinyl ether
Concen: 103.375 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.3	37.9
106	24.8	19.8	29.6

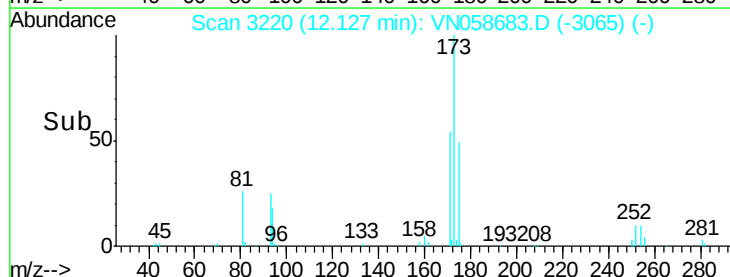
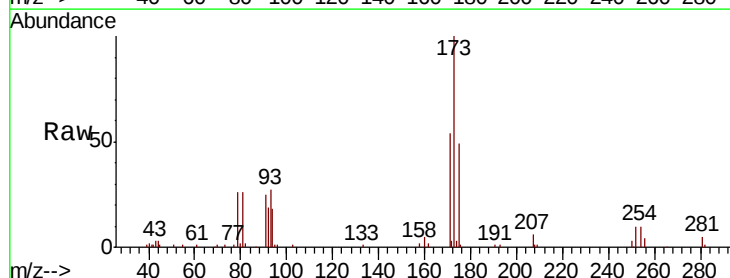
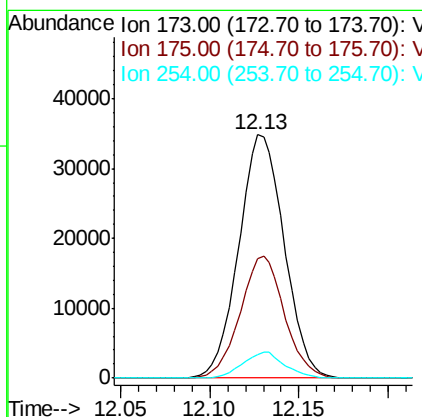
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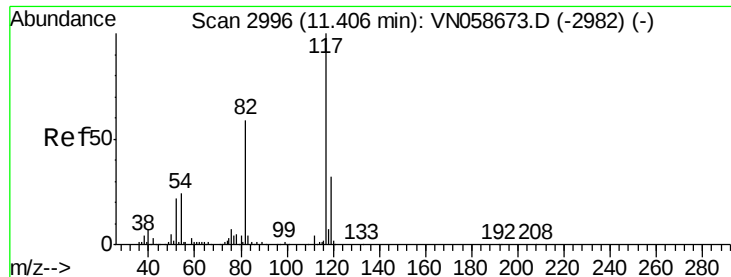
MMDadoda
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#56
Bromoform
Concen: 18.963 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	9.9	7.4	11.2





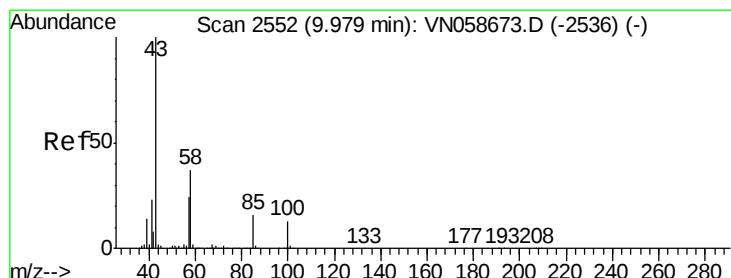
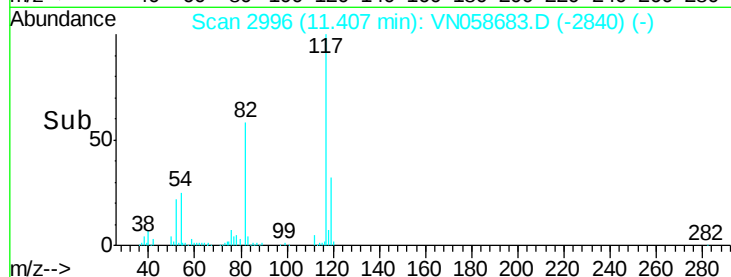
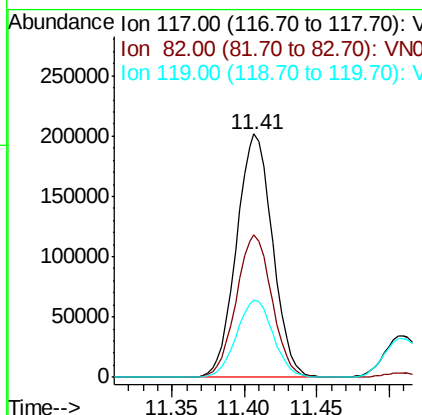
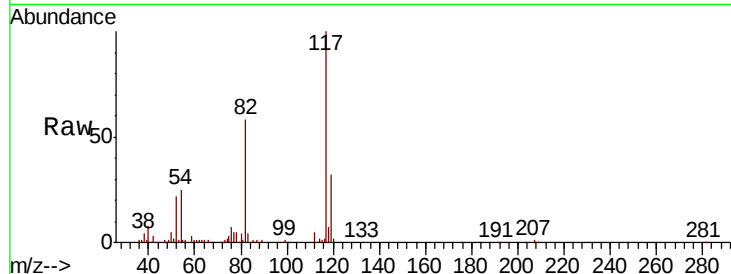
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.9	70.3
119	32.3	25.8	38.6

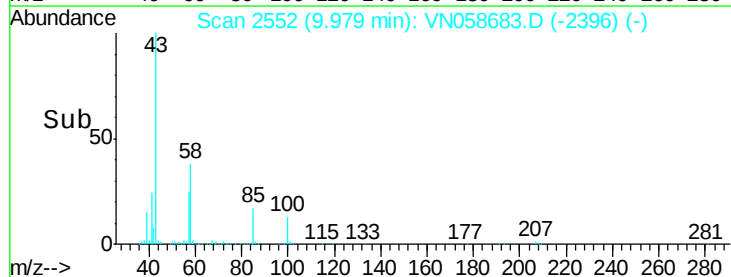
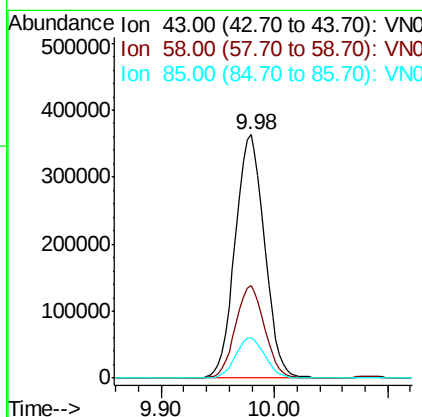
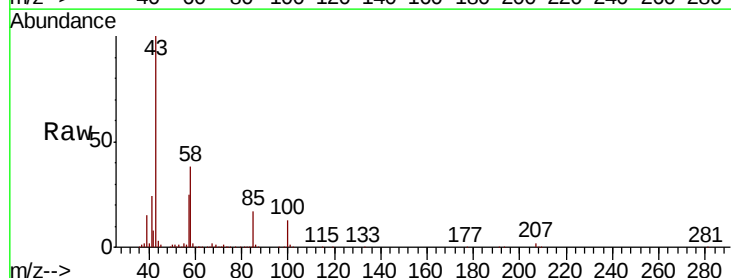
Manual Integrations
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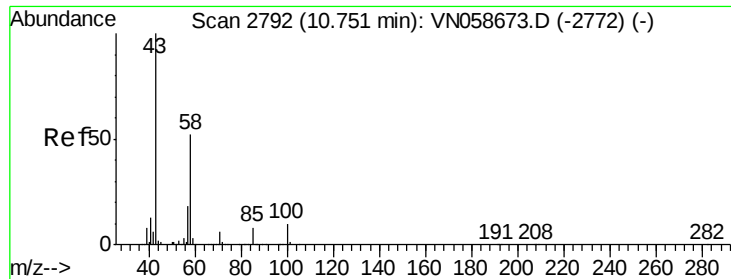
MMDadoda
10/11/2019 2:47:06 PM



#58
4-Methyl-2-Pentanone
Concen: 103.460 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.1	45.1
85	16.6	13.2	19.8





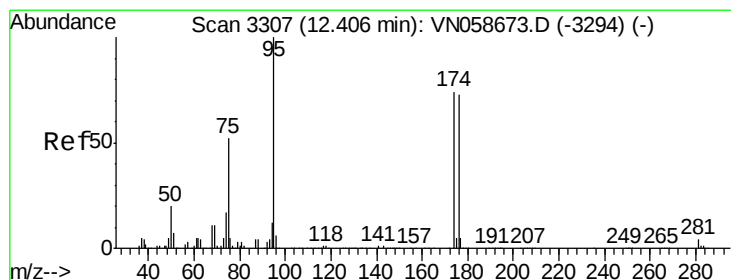
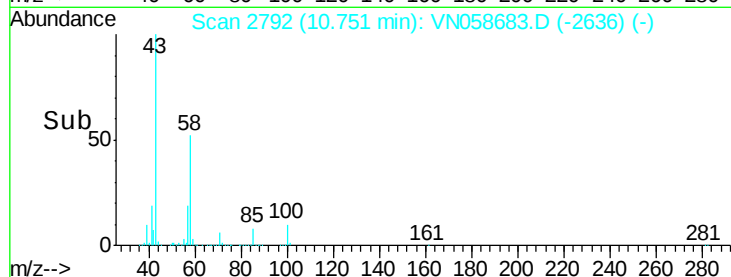
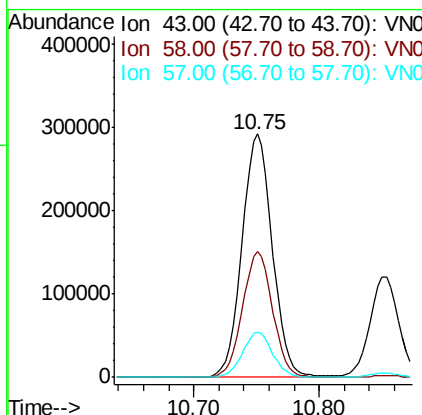
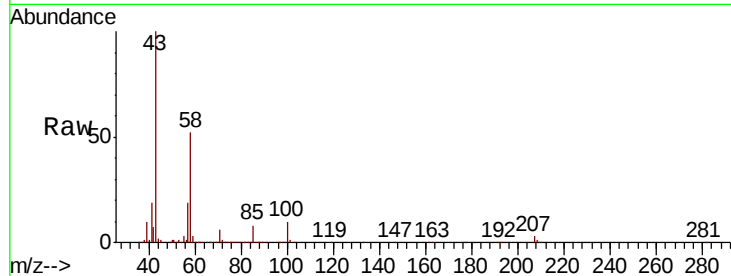
#59
2-Hexanone
Concen: 98.163 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	41.4	62.0
57	18.4	14.7	22.1

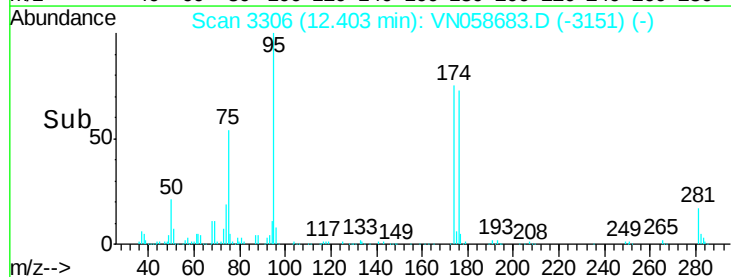
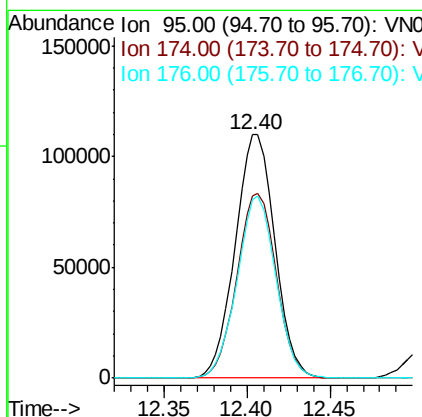
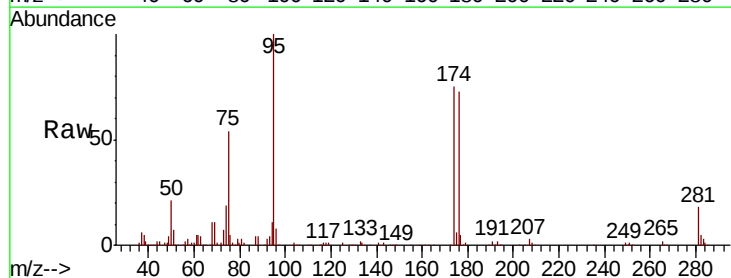
Manual Integrations
APPROVED

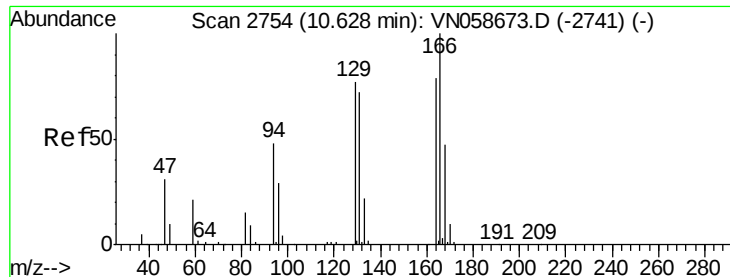
MMDadoda
10/11/2019 2:47:06 PM



#60
4-Bromofluorobenzene
Concen: 30.060 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	59.9	89.9
176	73.3	58.3	87.5





#61

Tetrachloroethene

Concen: 21.316 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion:164 Resp: 80444

Ion Ratio Lower Upper

164 100

166 130.2 101.4 152.2

129 99.8 78.1 117.1

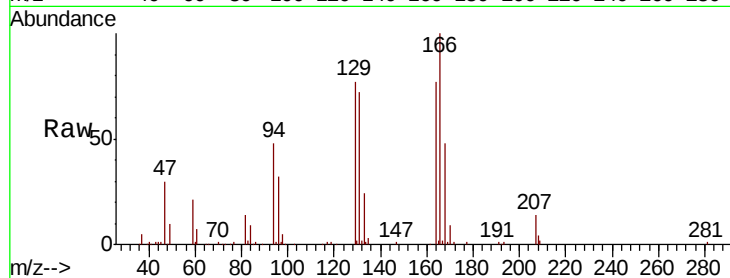
131 93.3 73.2 109.8

Manual Integrations

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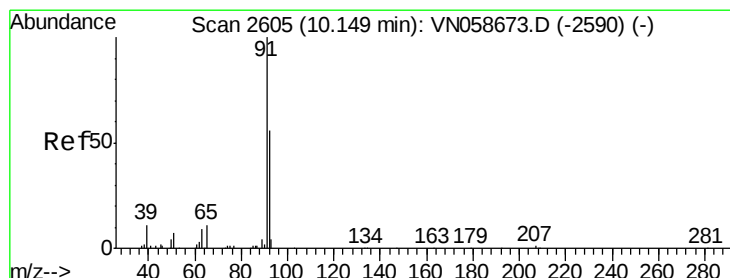
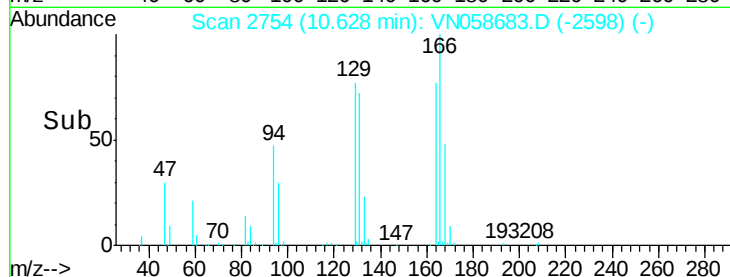
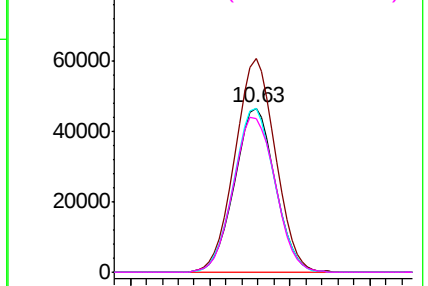


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.589 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058683.D

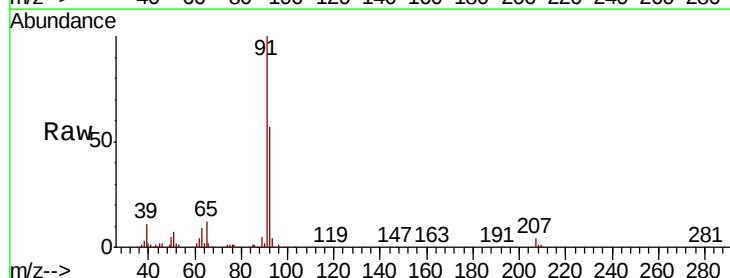
Acq: 10 Oct 2019 22:36

Tgt Ion: 91 Resp: 386780

Ion Ratio Lower Upper

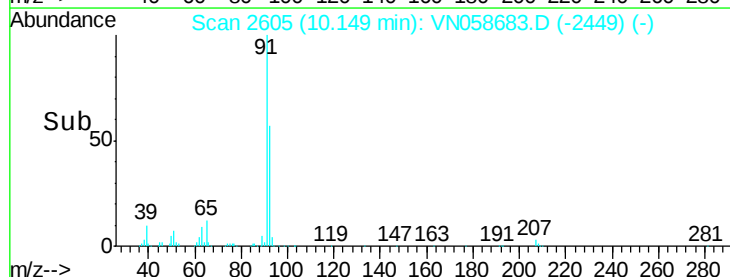
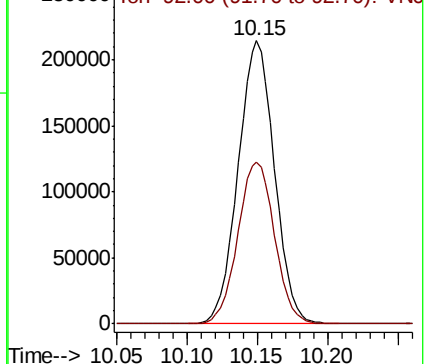
91 100

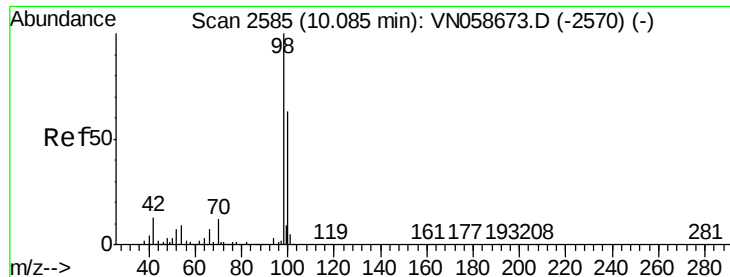
92 57.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





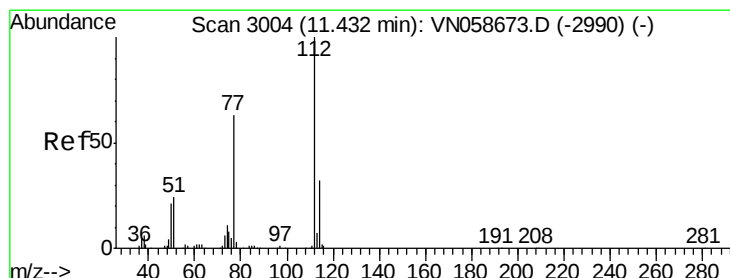
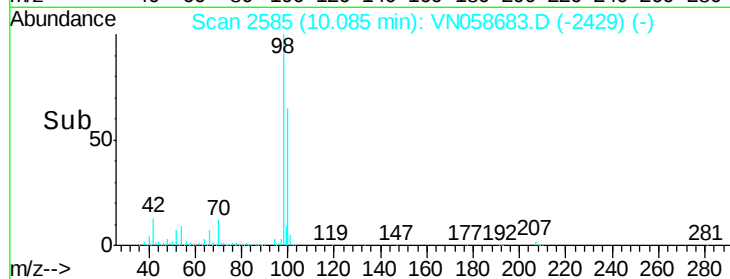
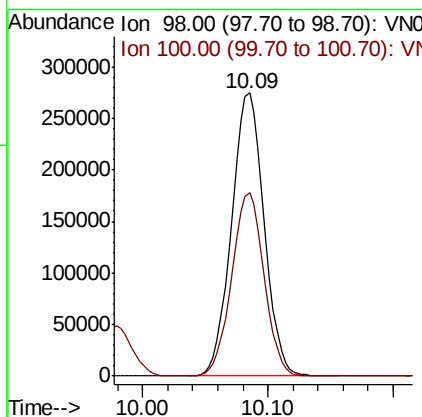
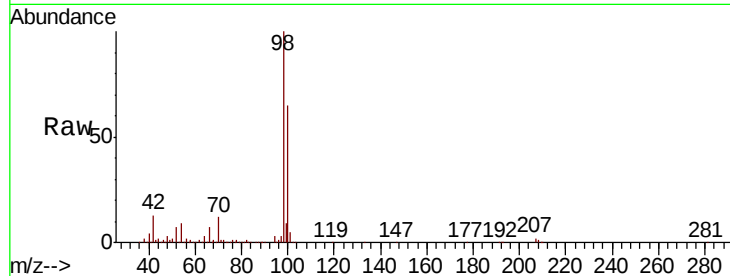
#63
Toluene-d8
Concen: 29.961 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion: 98 Resp: 494053
Ion Ratio Lower Upper
98 100
100 64.2 50.6 75.8

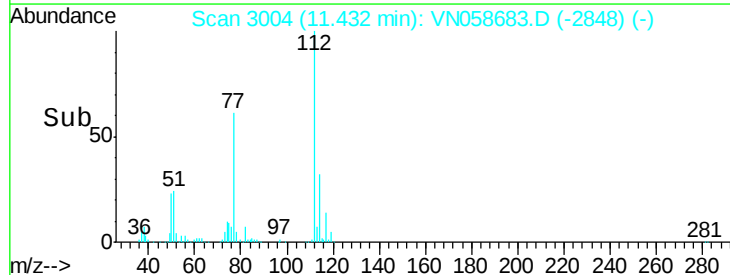
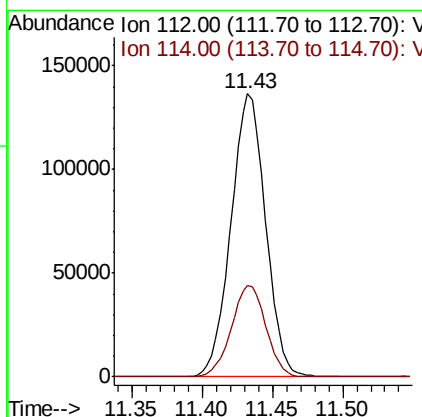
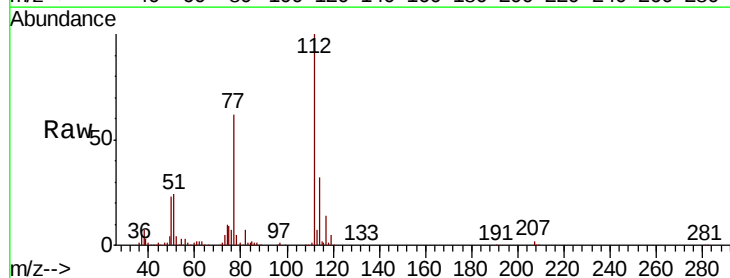
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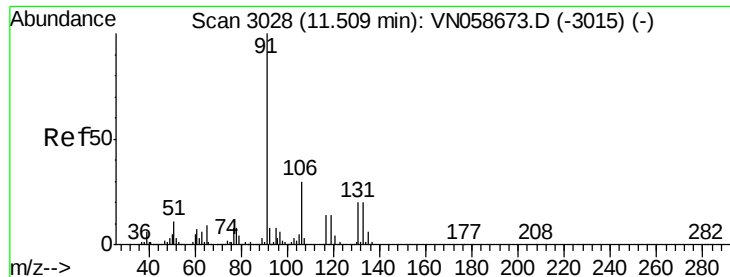
MMDadoda
10/11/2019 2:47:06 PM



#64
Chlorobenzene
Concen: 20.417 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion: 112 Resp: 234492
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 20.220 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

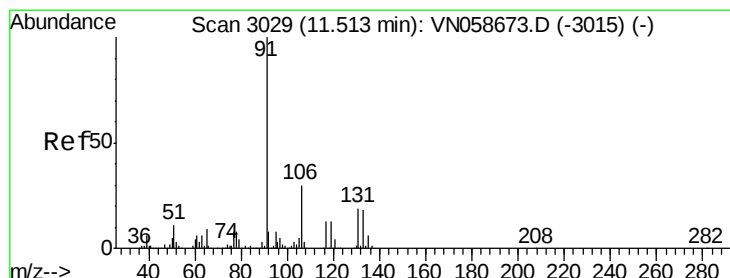
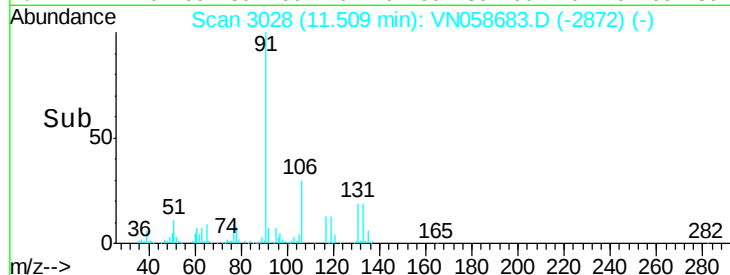
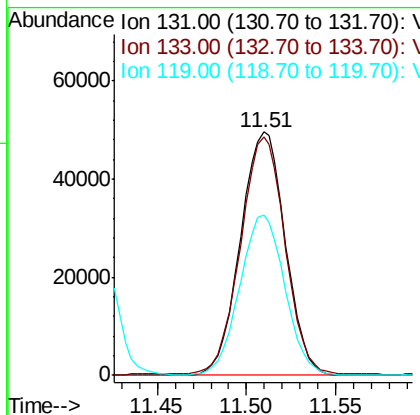
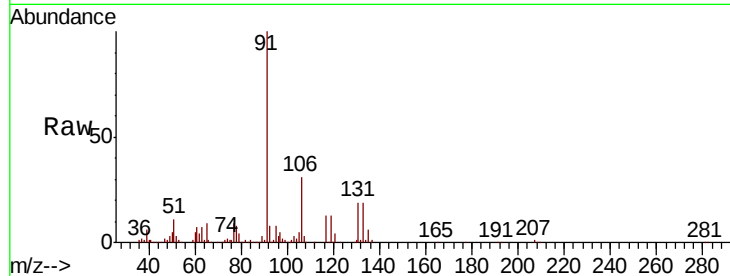
ClientSampleId :

VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.4	0.0	194.0
119	66.4	0.0	136.8

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#66

Ethyl Benzene

Concen: 20.571 ug/l

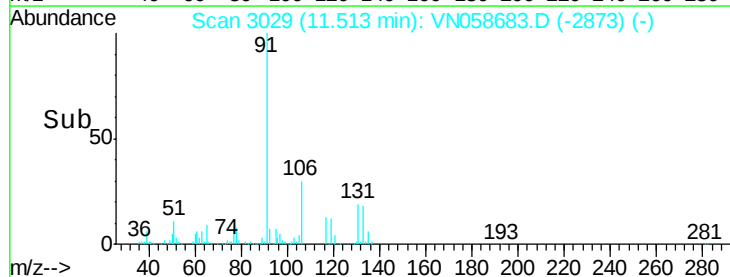
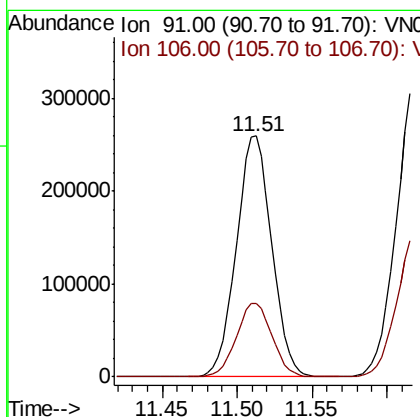
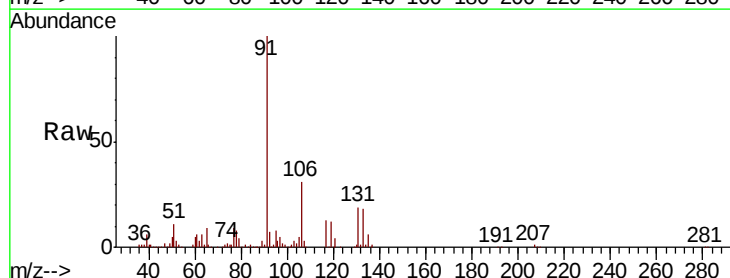
RT: 11.51 min Scan# 3029

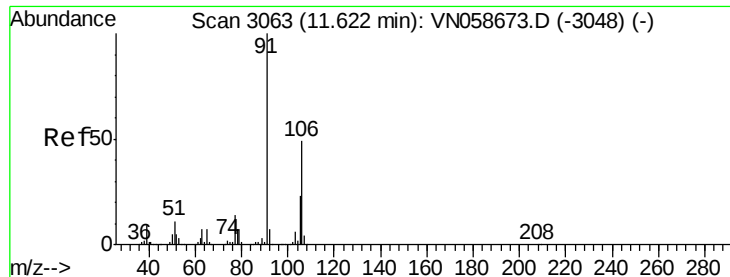
Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.4





#67

m/p-Xylenes

Concen: 40.785 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampled :

VN1011WBSD01

Tot Ion:106 Resp: 316961

Ion Ratio Lower Upper

106 100

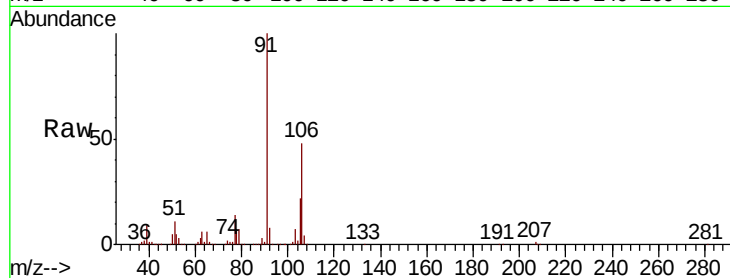
91 208.4 165.6 248.4

Manual Integrations

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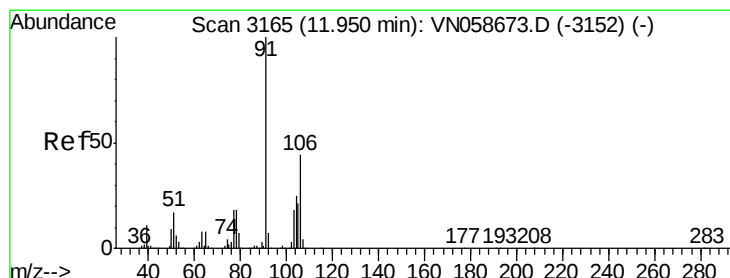
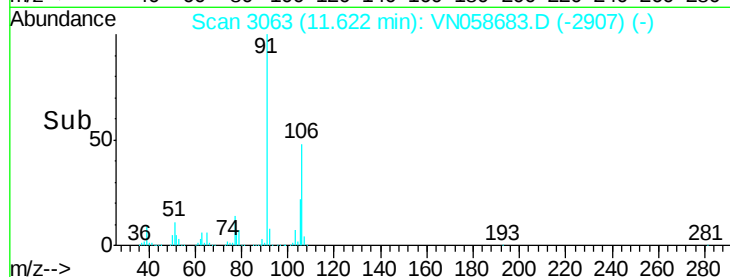
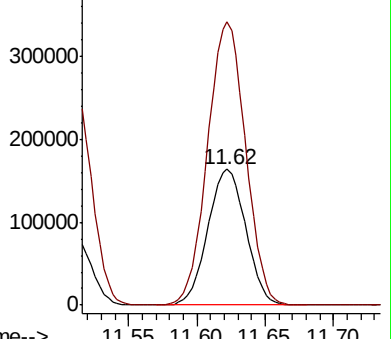
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.352 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058683.D

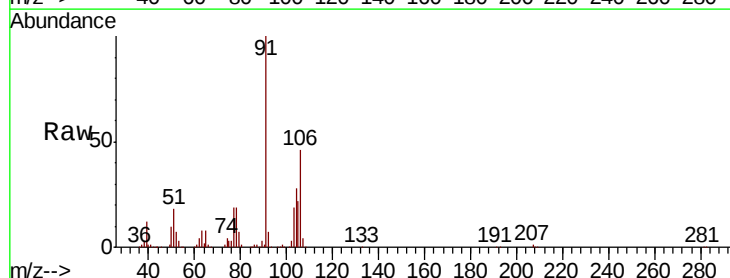
Acq: 10 Oct 2019 22:36

Tgt Ion:106 Resp: 153334

Ion Ratio Lower Upper

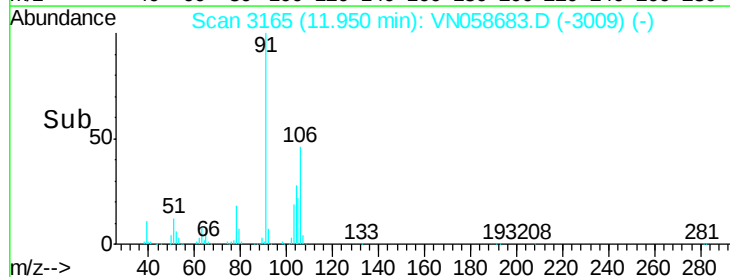
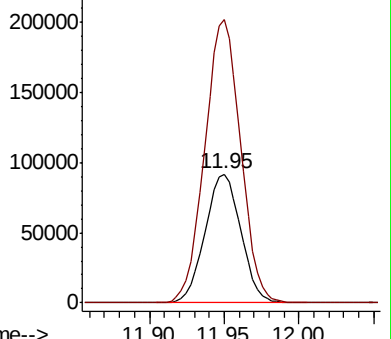
106 100

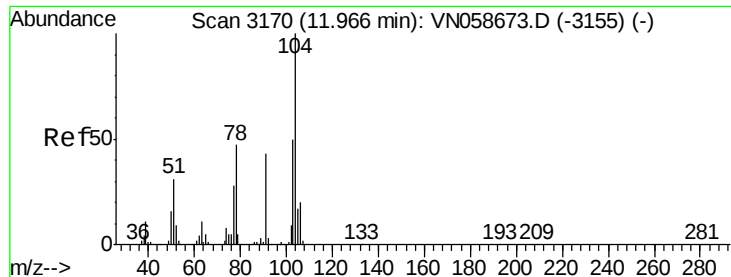
91 219.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





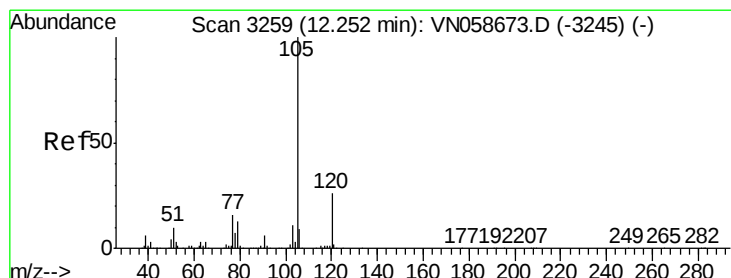
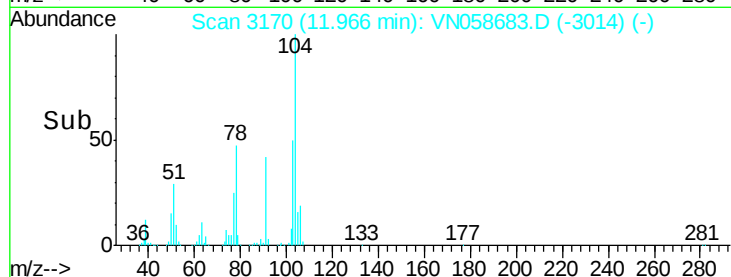
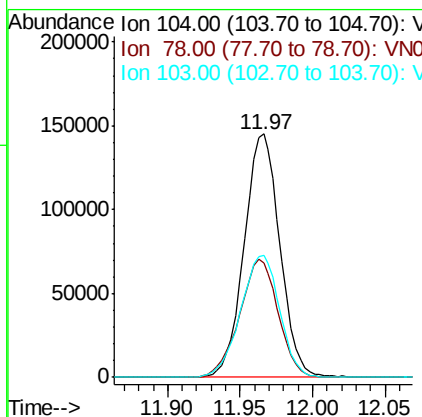
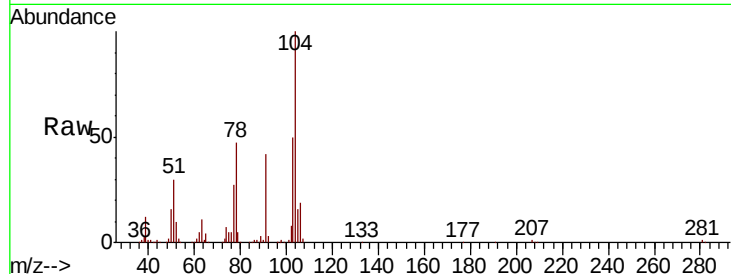
#69
Stvrene
Concen: 19.999 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	248922		
78	52.5		42.4	63.6
103	55.0		44.6	66.8

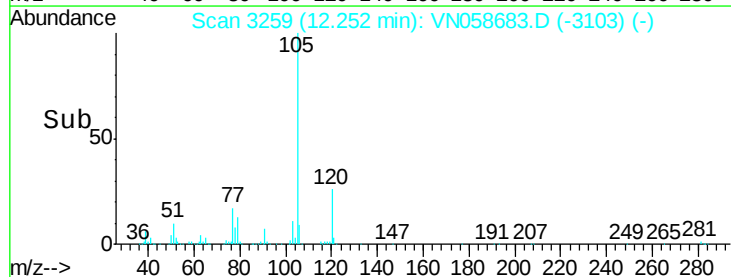
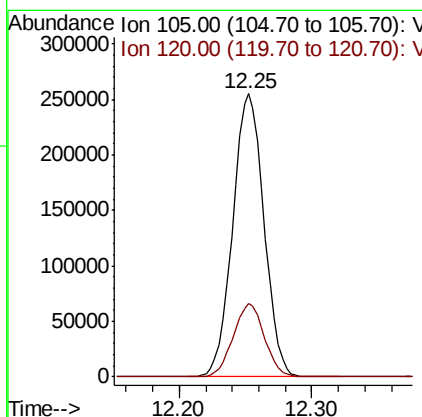
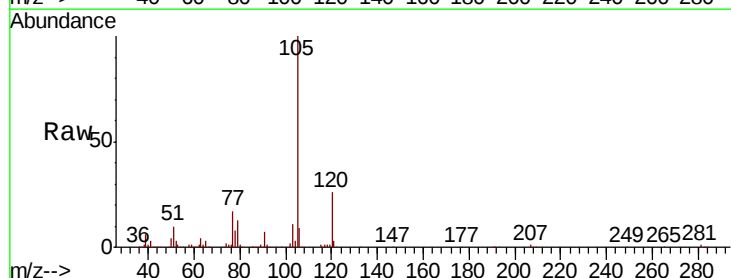
Manual Integrations
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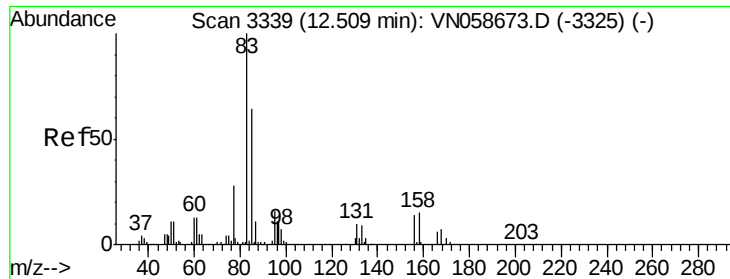
MMDadoda
10/11/2019 2:47:06 PM



#70
Isopropylbenzene
Concen: 20.444 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	415846		
120	25.8		18.4	34.2





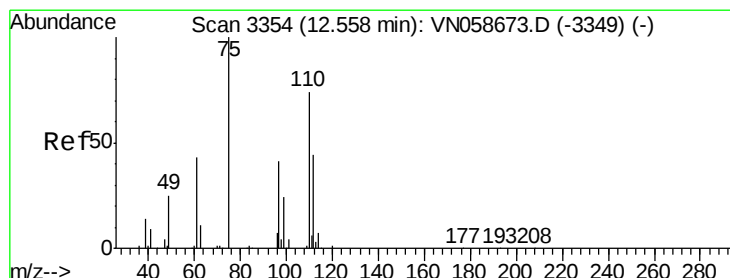
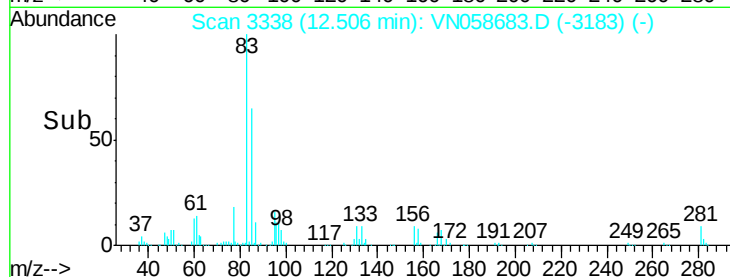
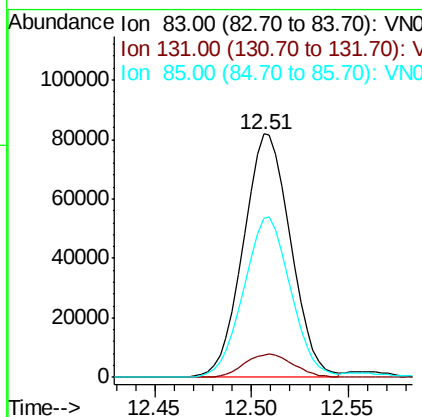
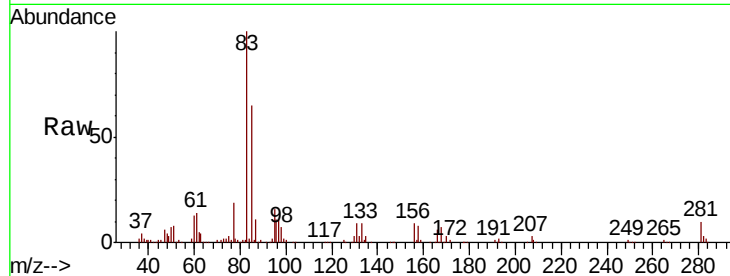
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.348 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	4.9	14.7	
85	65.5	31.6	94.7	

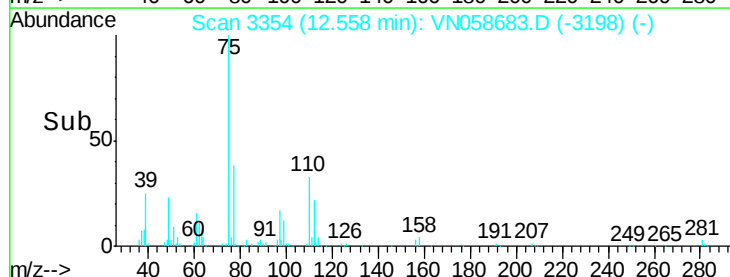
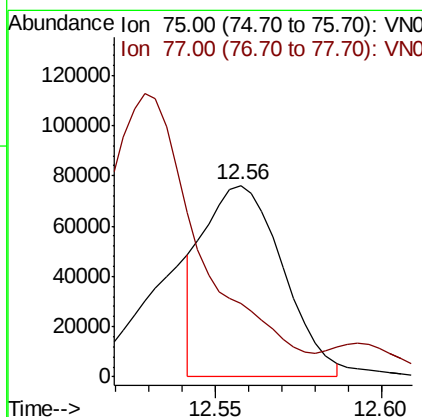
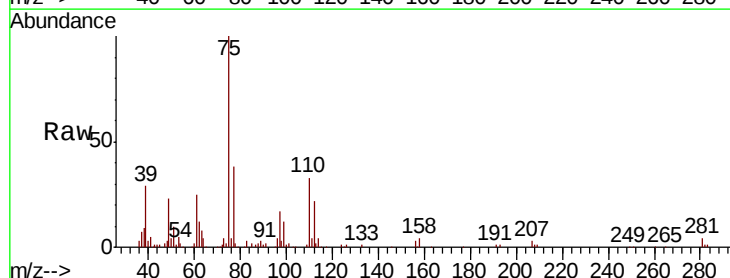
Manual Integrations
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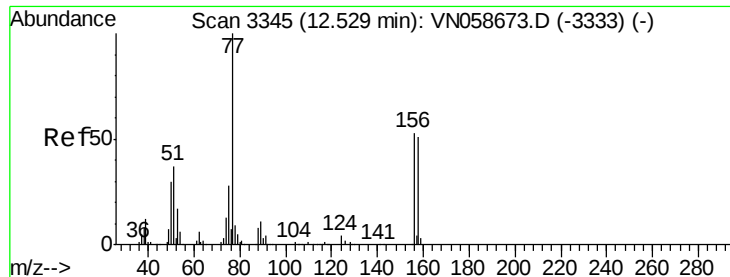
MMDadoda
 10/11/2019 2:47:06 PM



#72
 1,2,3-Trichloropropane
 Concen: 20.286 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	186.0	0.0	359.4	





#73

Bromobenzene

Concen: 20.082 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

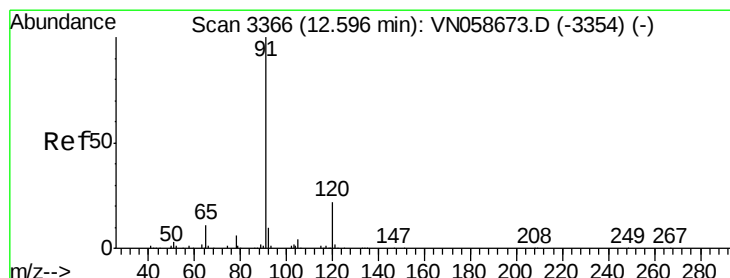
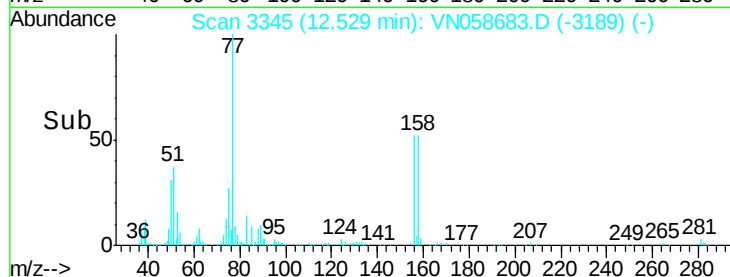
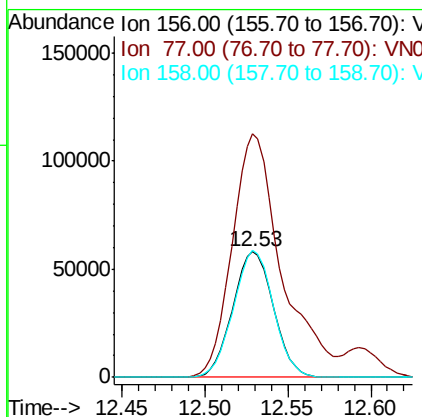
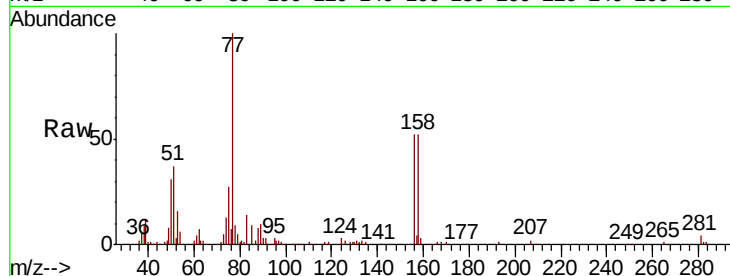
ClientSampleId :

VN1011WBSD01

Tot Ion:	156	Resp:	99220
Ion Ratio	Lower	Upper	
156	100		
77	236.0	0.0	456.0
158	99.2	0.0	195.4

Manual Integrations
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10/11/2019 2:47:06 PM



#74

n-propylbenzene

Concen: 20.594 ug/l

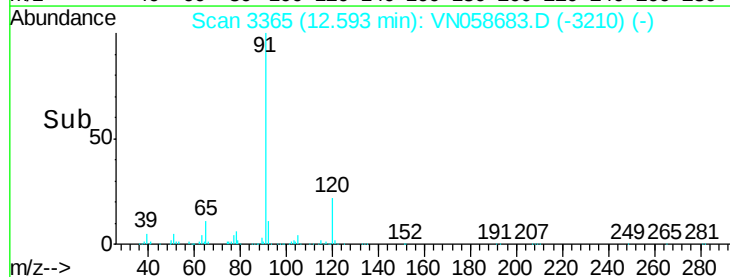
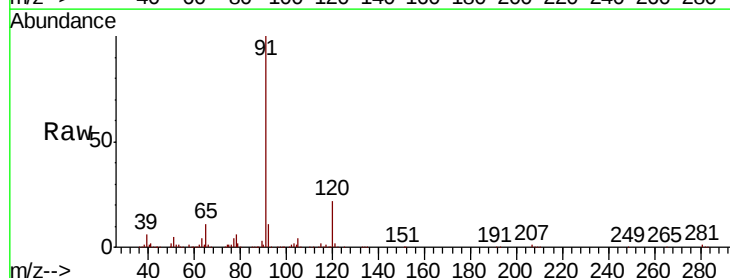
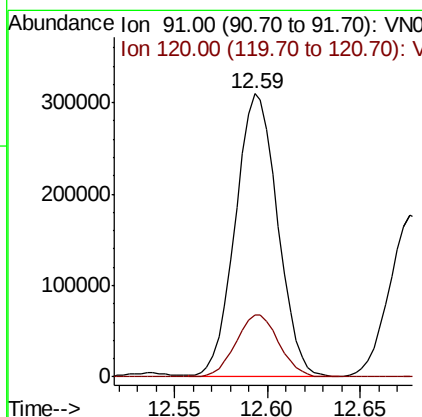
RT: 12.59 min Scan# 3365

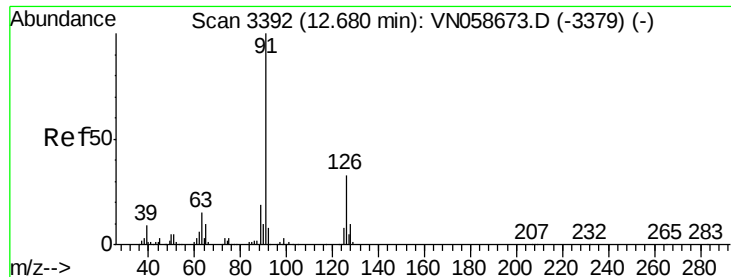
Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Tgt Ion:	91	Resp:	490324
Ion Ratio	Lower	Upper	
91	100		
120	22.2	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.819 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

ClientSampleId :

VN1011WBSD01

Tot Ion: 91 Resp: 298234

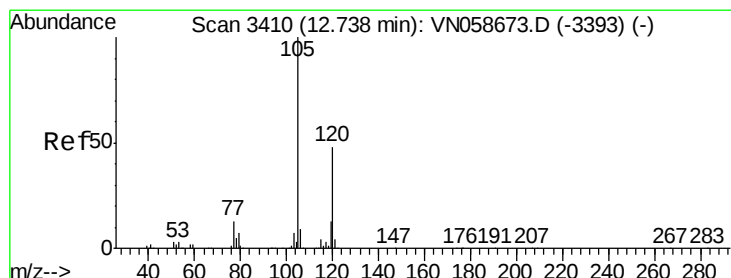
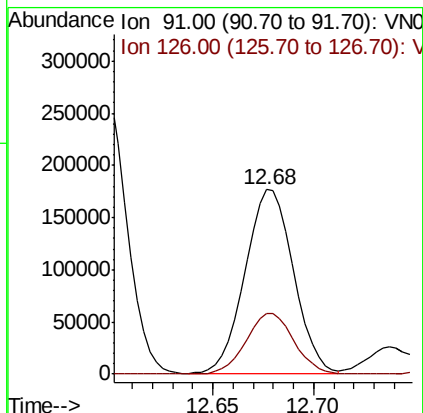
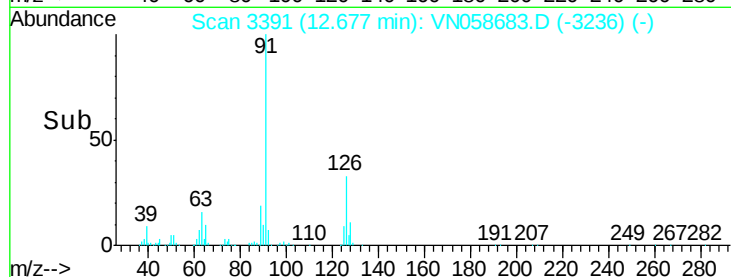
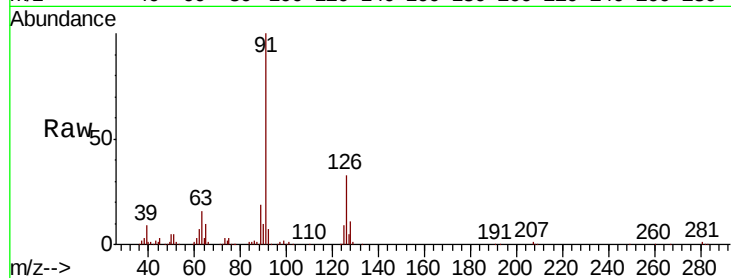
Ion Ratio Lower Upper

91 100

126 32.4 0.0 65.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.802 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058683.D

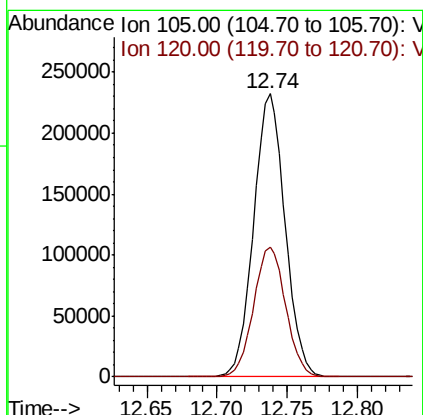
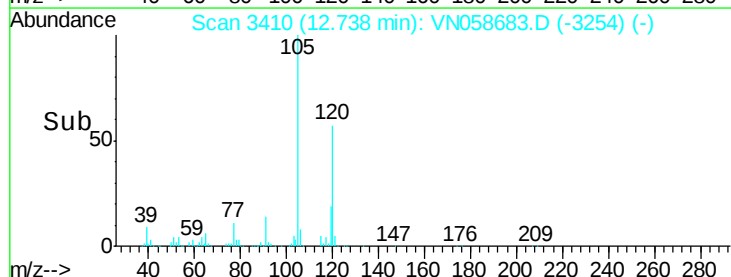
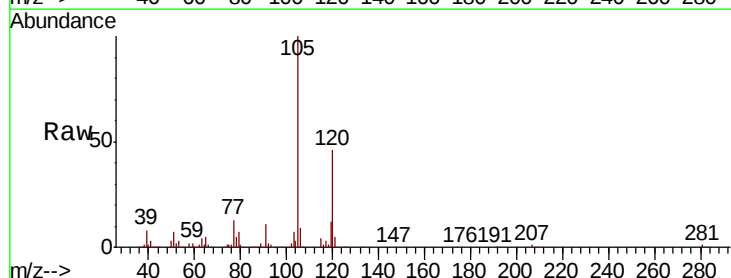
Acq: 10 Oct 2019 22:36

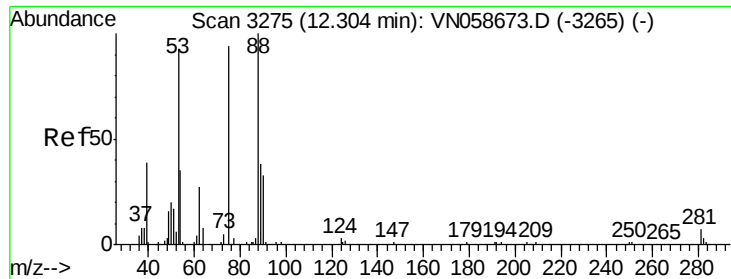
Tgt Ion: 105 Resp: 362412

Ion Ratio Lower Upper

105 100

120 46.7 0.0 94.0





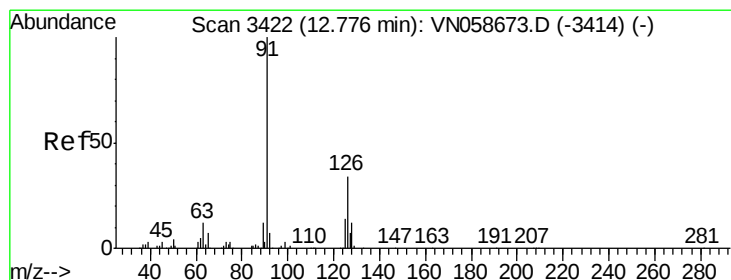
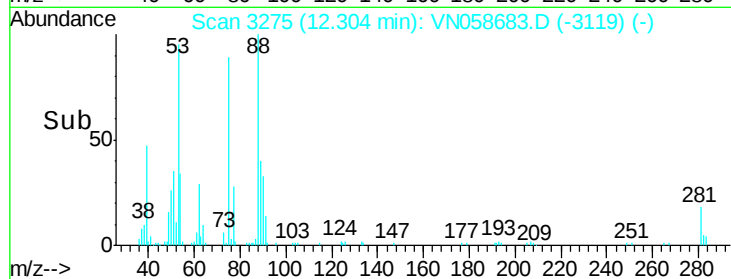
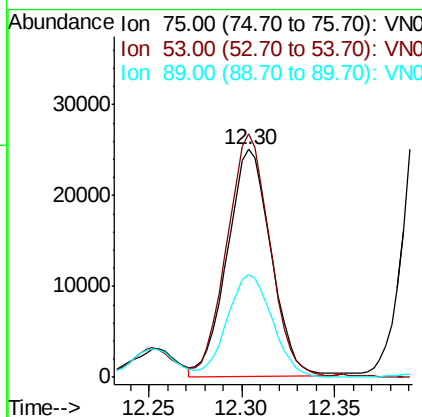
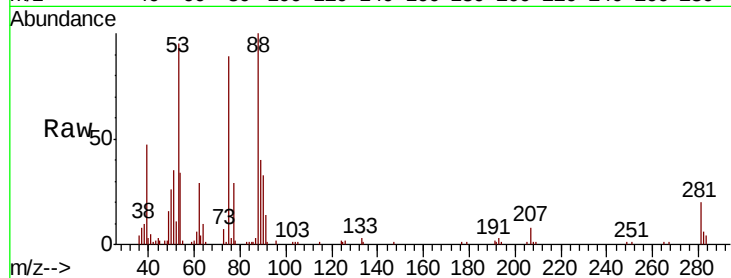
#77
t-1,4-Dichloro-2-butene
Concen: 17.282 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.6	50.0	150.0
89	45.8	20.7	62.1

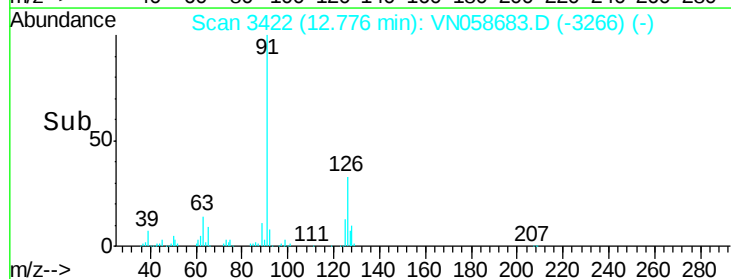
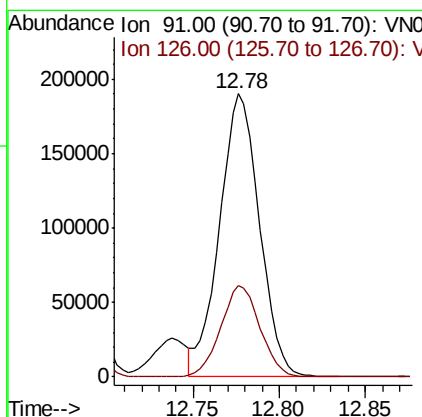
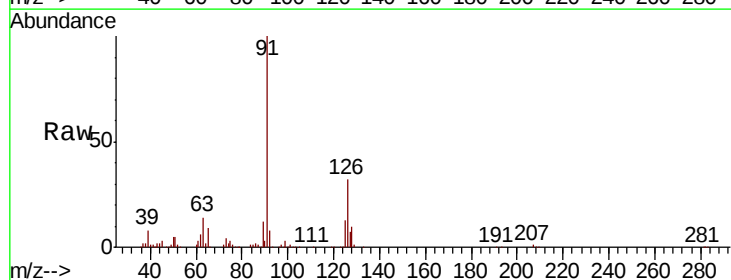
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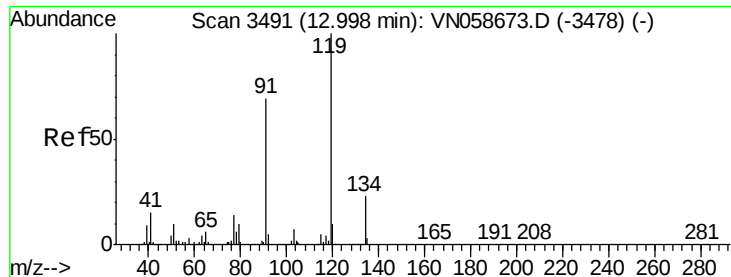
MMDadoda
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#78
4-Chlorotoluene
Concen: 20.779 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	63.4





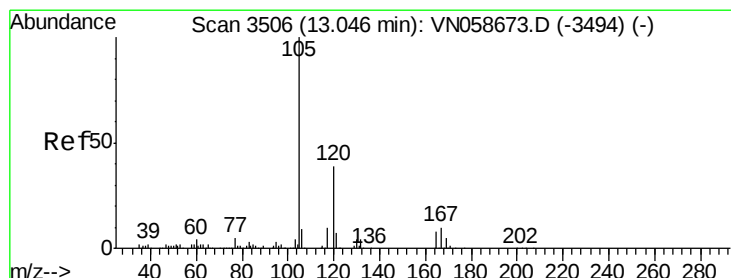
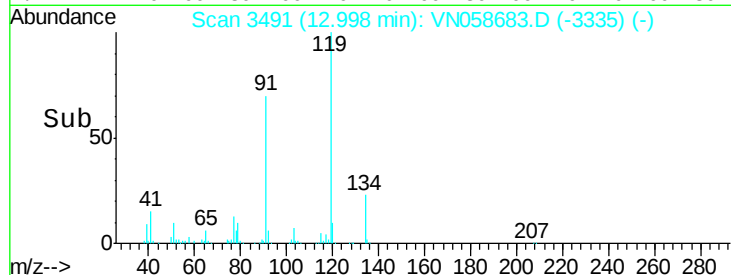
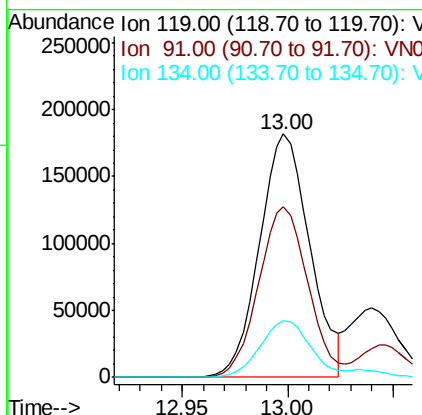
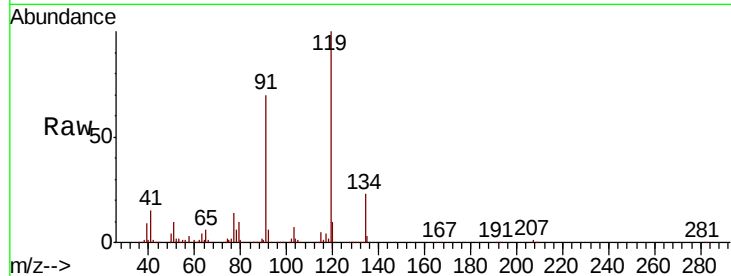
#79
tert-butylbenzene
Concen: 20.254 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301457		
91	68.9	0.0	136.4	
134	23.3	0.0	47.2	

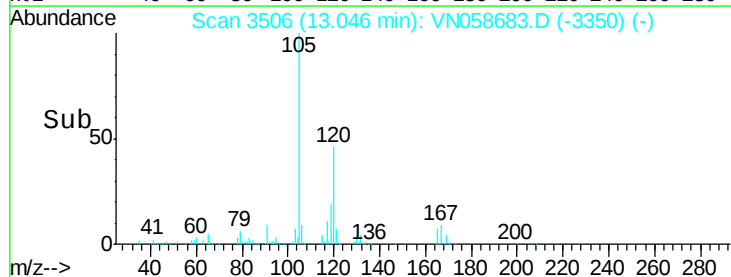
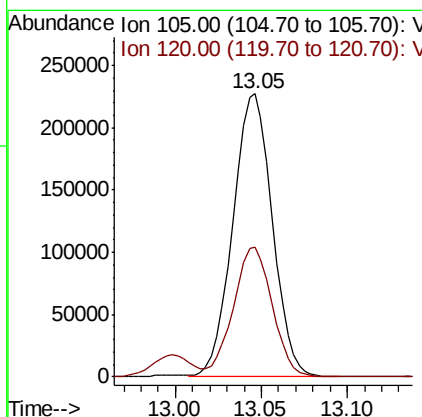
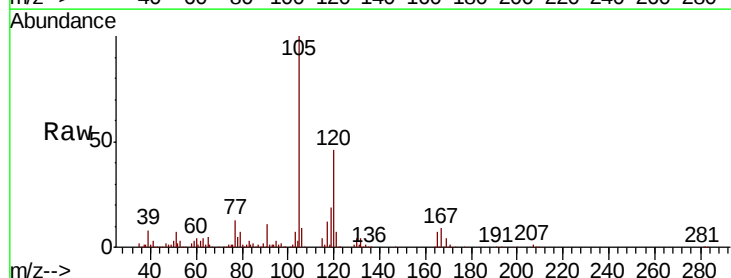
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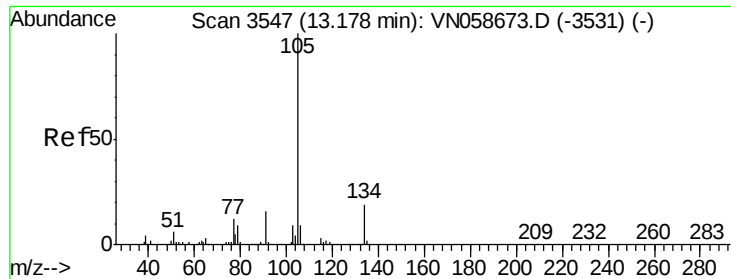
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 21.009 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	363697		
120	45.0	0.0	89.2	





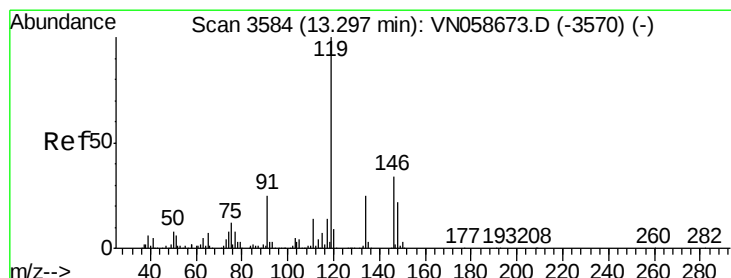
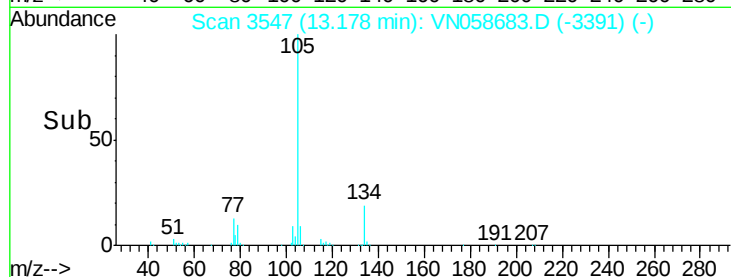
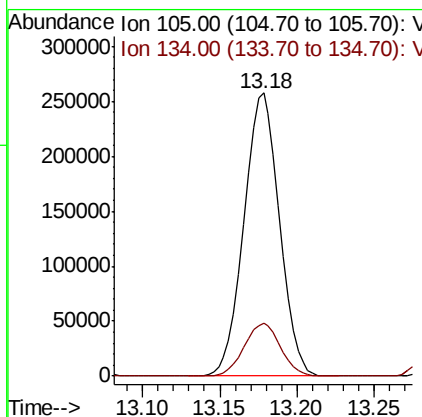
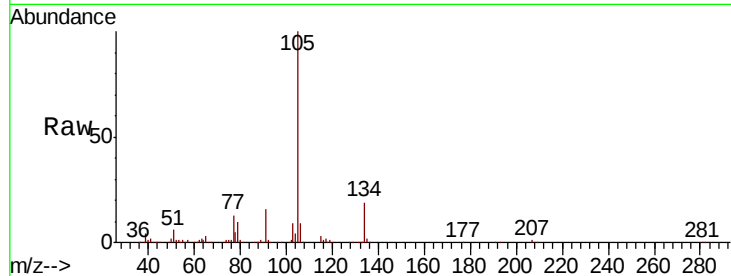
#81
 sec-Butylbenzene
 Concen: 20.553 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	411693		
134	19.0	0.0	38.0	

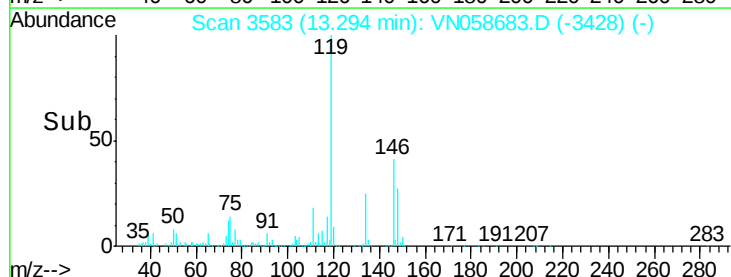
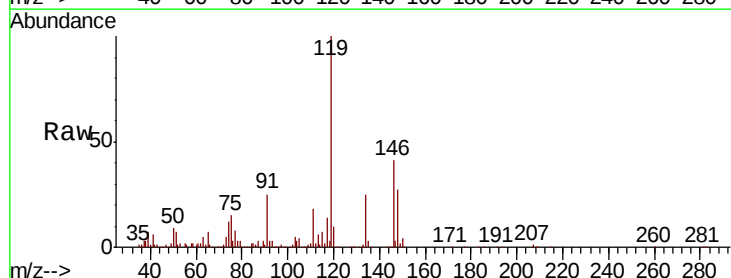
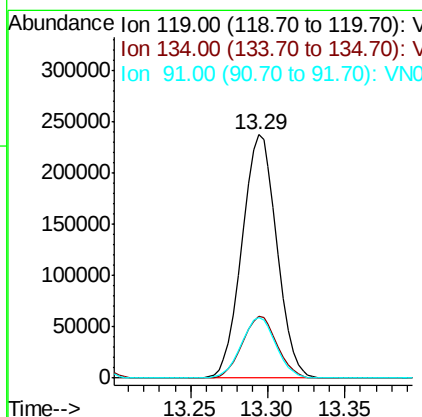
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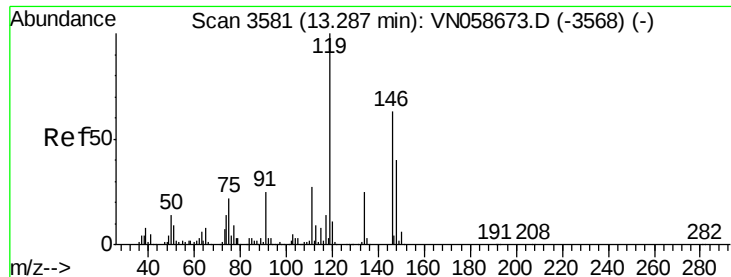
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#82
 p-Isopropyltoluene
 Concen: 20.562 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	369855		
134	25.6	0.0	50.8	
91	25.1	0.0	49.4	





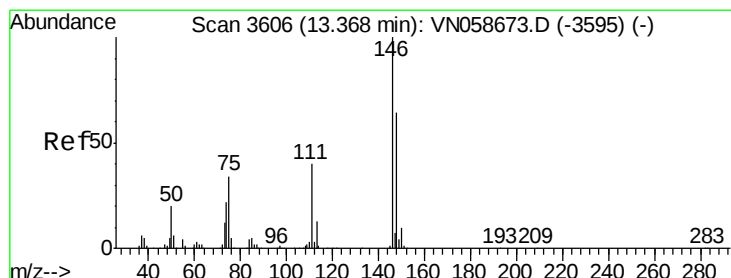
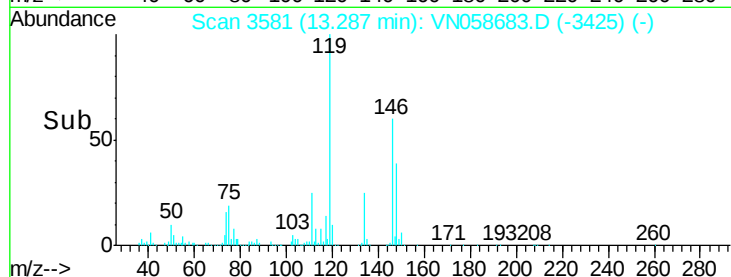
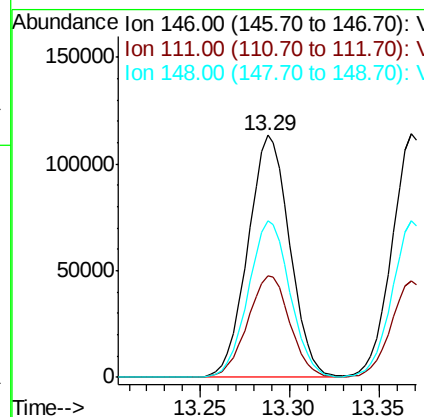
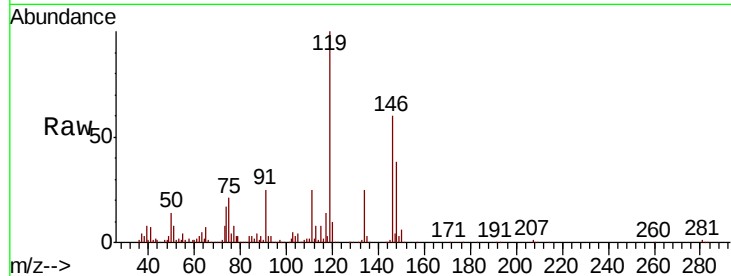
#83
 1,3-Dichlorobenzene
 Concen: 20.731 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	64.7	31.7	95.1

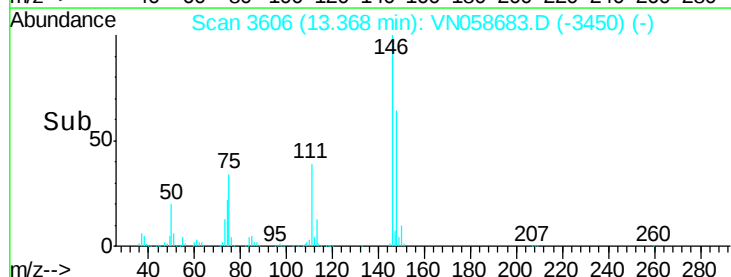
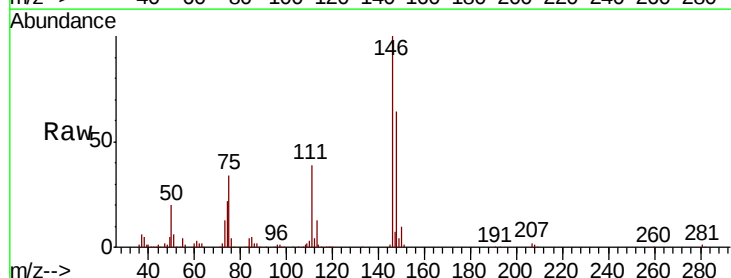
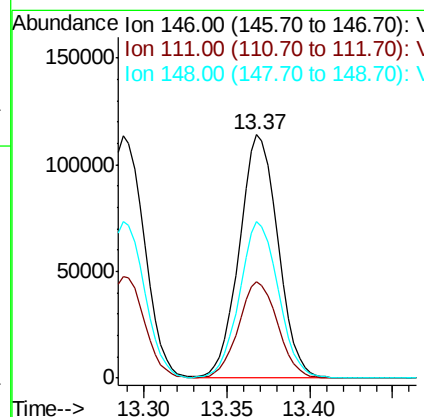
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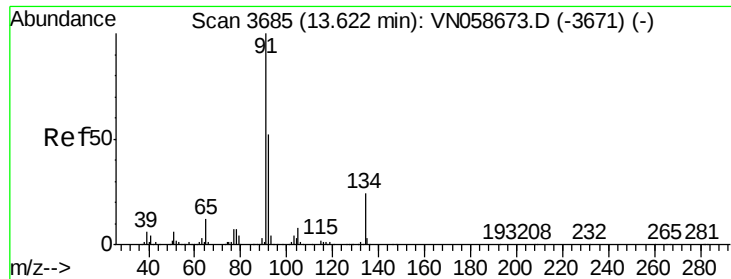
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#84
 1,4-Dichlorobenzene
 Concen: 20.617 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.8	59.4
148	65.3	31.6	94.8





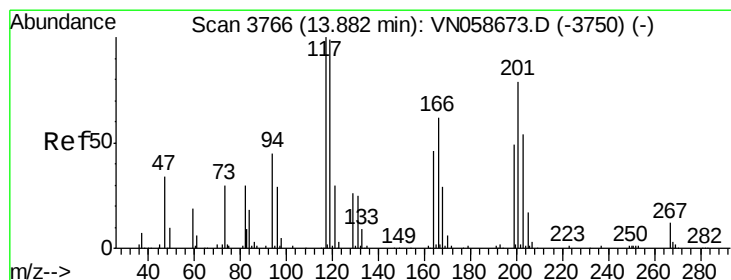
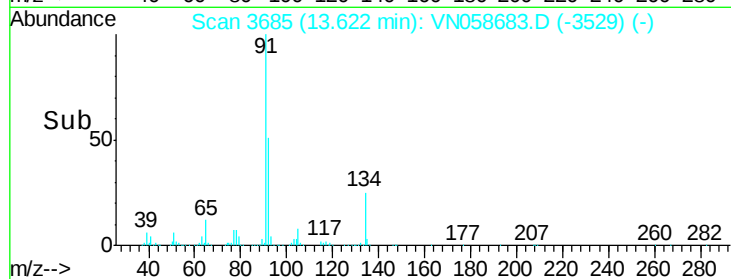
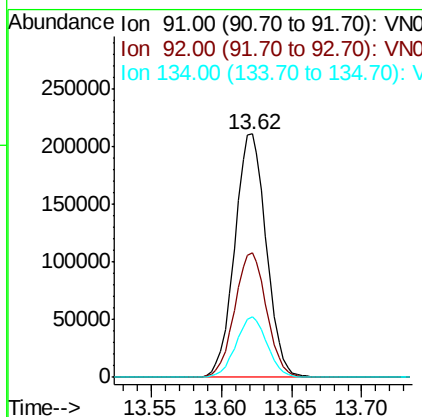
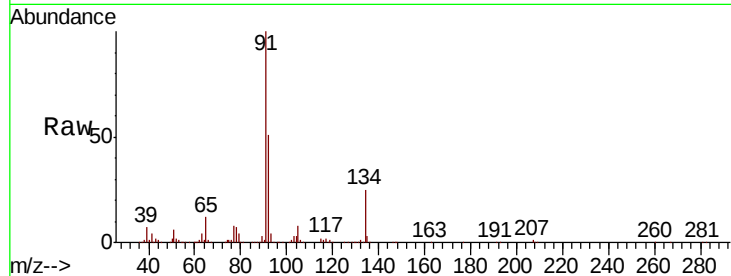
#85
n-Butylbenzene
Concen: 20.100 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.7	0.0	102.8	
134	24.5	0.0	48.6	

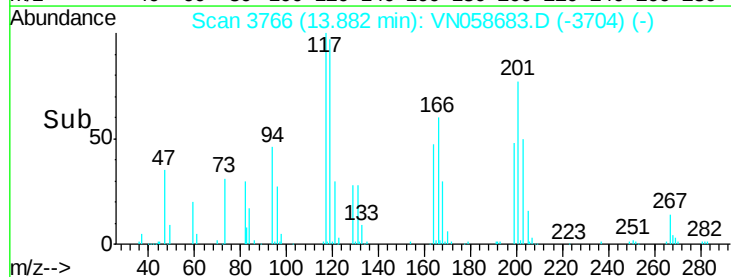
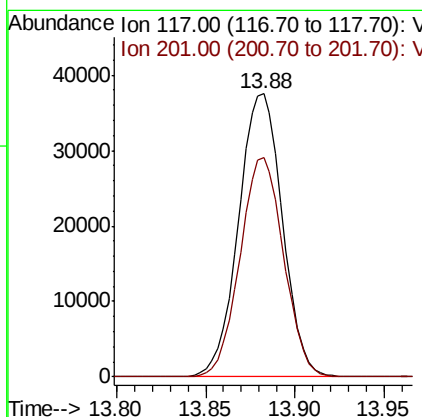
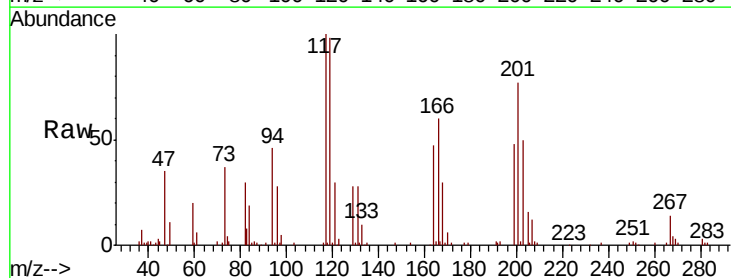
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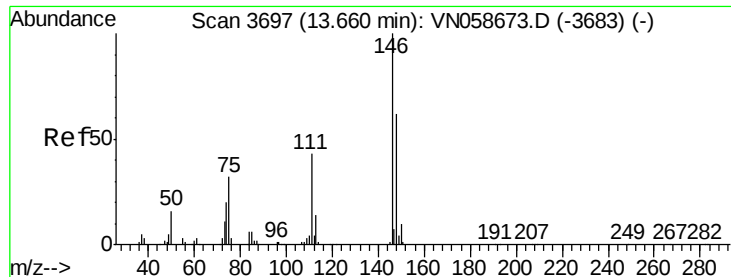
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#86
Hexachloroethane
Concen: 19.668 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.8	38.7	116.1	





#87

1,2-Dichlorobenzene

Concen: 21.198 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Instrument :

MSVOA_N

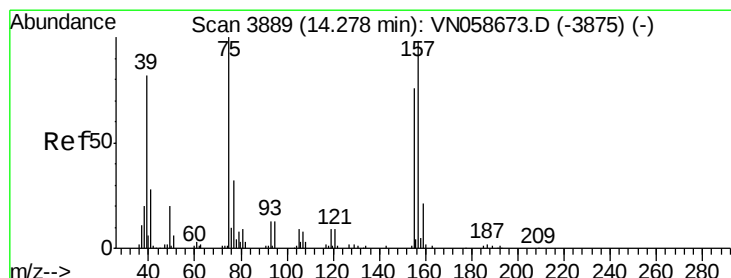
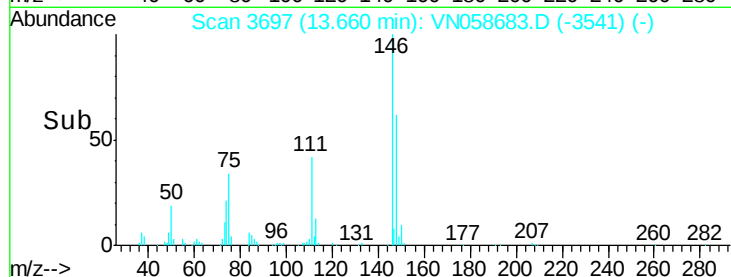
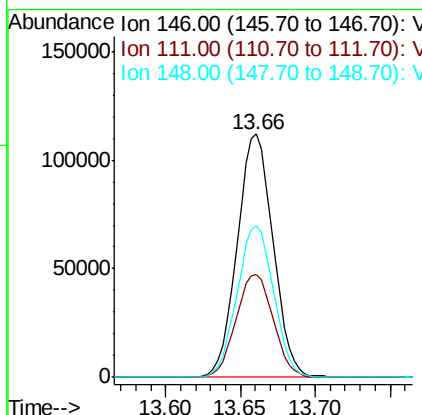
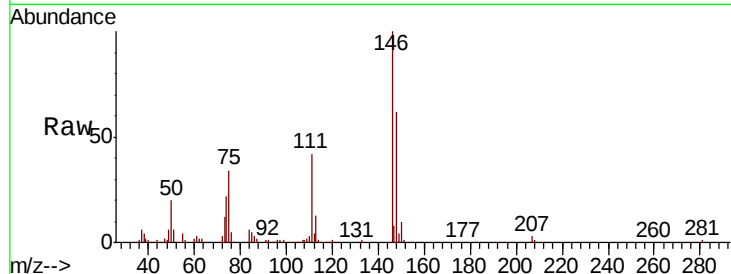
ClientSampleId :

VN1011WBSD01

Tot Ion:	146	Resp:	187094
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.8	65.4
148	63.5	32.1	96.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.301 ug/l

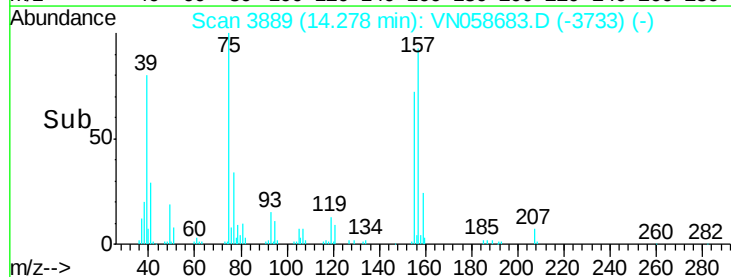
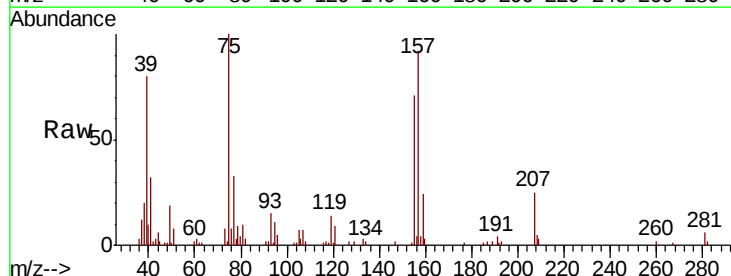
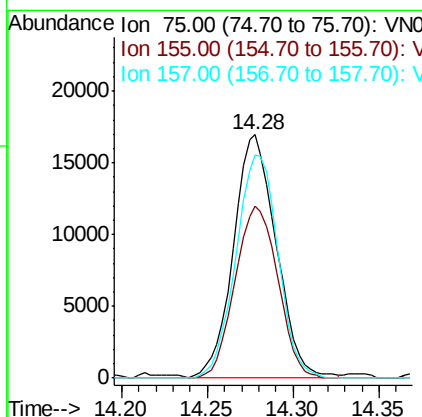
RT: 14.28 min Scan# 3889

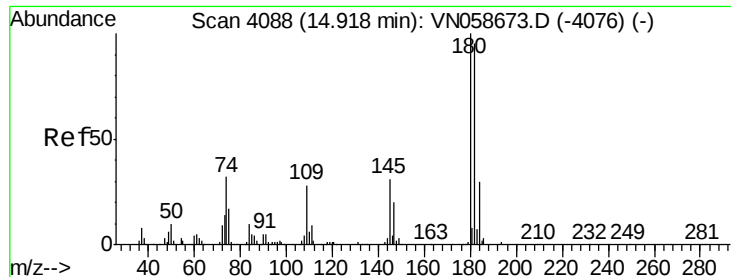
Delta R.T. 0.00 min

Lab File: VN058683.D

Acq: 10 Oct 2019 22:36

Tgt Ion:	75	Resp:	29418
Ion Ratio	Lower	Upper	
75	100		
155	70.5	58.3	87.5
157	90.1	75.0	112.6





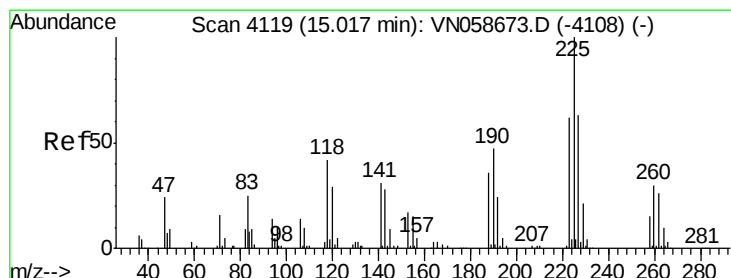
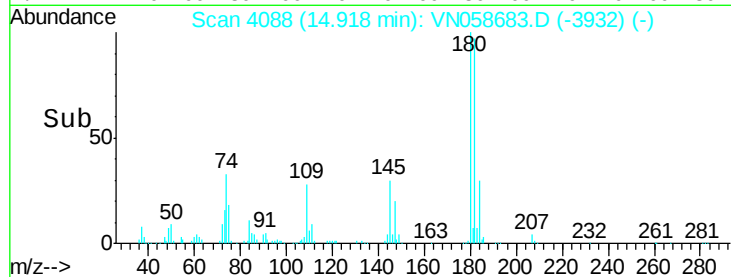
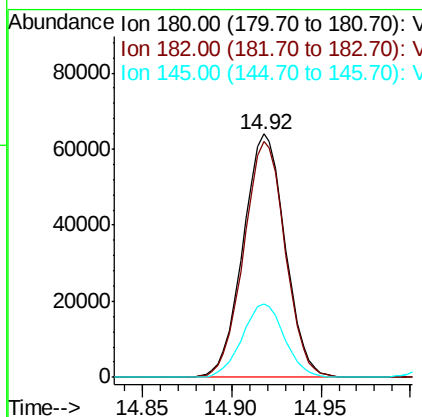
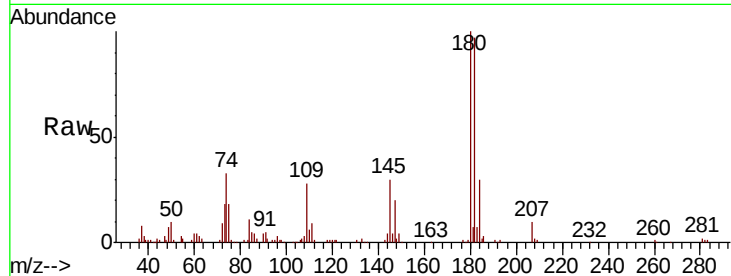
#89
 1,2,4-Trichlorobenzene
 Concen: 18.896 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.3	112.9
145	30.2	24.8	37.2

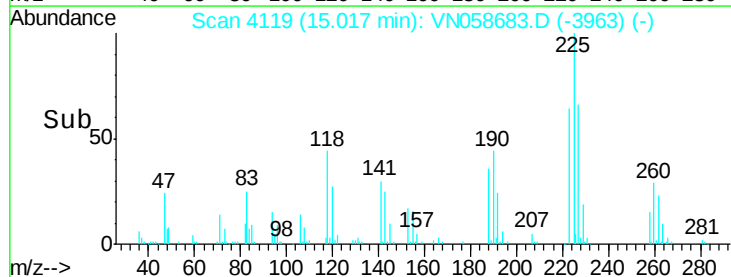
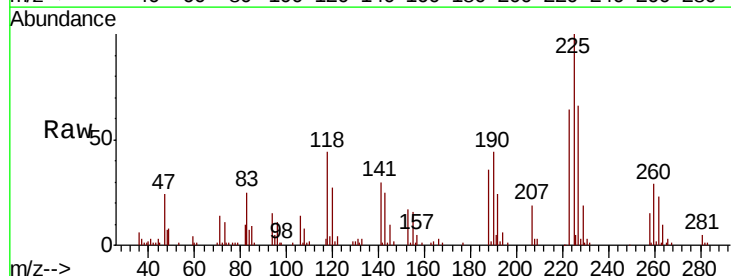
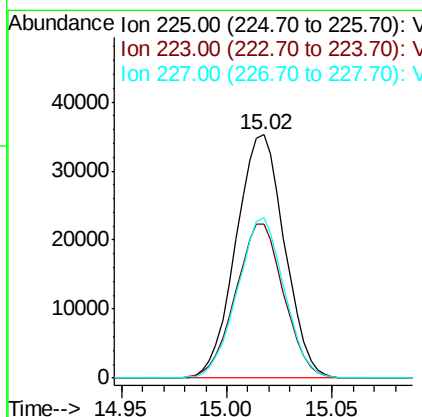
Manual Integrations
 APPROVED

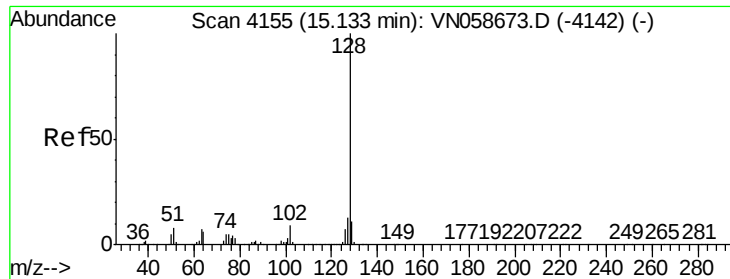
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 19.601 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058683.D
 Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	0.0	126.2
227	63.8	0.0	127.0





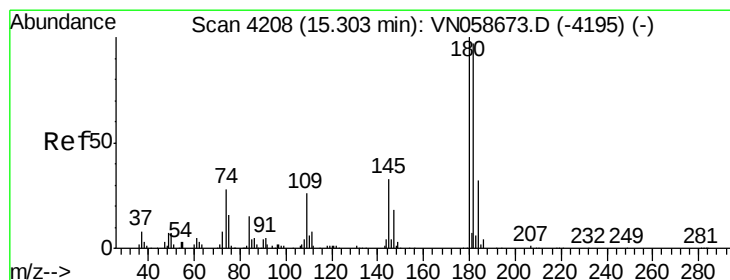
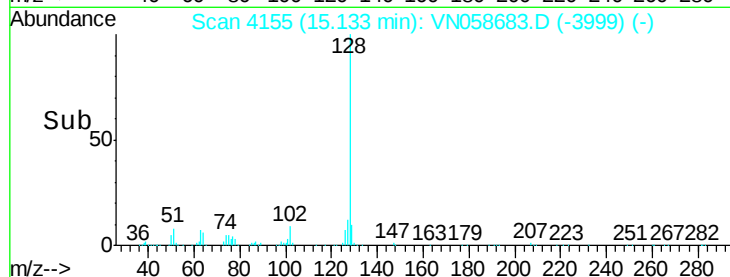
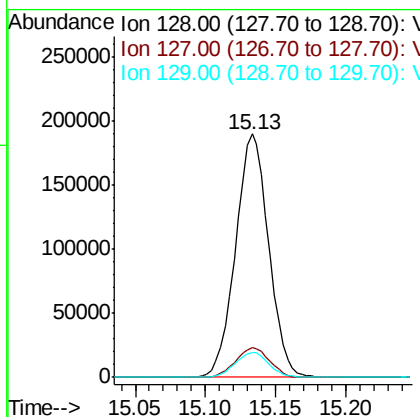
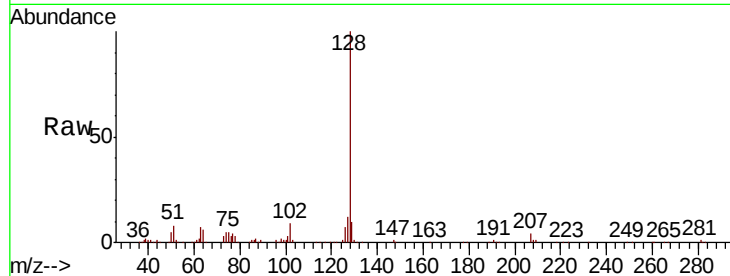
#91
Naphthalene
Concen: 18.989 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Instrument :
MSVOA_N
ClientSampleId :
VN1011WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.6	13.0

Manual Integrations
APPROVED

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#92
1,2,3-Trichlorobenzene
Concen: 18.887 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058683.D
Acq: 10 Oct 2019 22:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	0.0	193.4
145	32.3	0.0	65.8

