

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058873.D
 Acq On : 21 Oct 2019 9:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/22/2019 4:55:11 PM

Quant Time: Oct 22 03:25:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	447960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	717500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	687448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	338212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	326136	49.64	ug/l	0.00
Spiked Amount						
			Recovery	=	99.28%	
35) Dibromofluoromethane	7.57	113	234404	49.69	ug/l	0.00
Spiked Amount						
			Recovery	=	99.38%	
50) Toluene-d8	10.08	98	932465	50.92	ug/l	0.00
Spiked Amount						
			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	355557	52.87	ug/l	0.00
Spiked Amount						
			Recovery	=	105.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	270890	48.502	ug/l	100
3) Chloromethane	2.04	50	327638	47.365	ug/l	100
4) Vinyl Chloride	2.17	62	333142	48.505	ug/l	98
5) Bromomethane	2.54	94	197016	45.808	ug/l	97
6) Chloroethane	2.68	64	205577	46.675	ug/l	100
7) Trichlorofluoromethane	3.00	101	411288	48.397	ug/l	99
8) Diethyl Ether	3.39	74	146188	49.779	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	218270	46.330	ug/l	100
10) Methyl Iodide	3.93	142	294669	47.556	ug/l	99
11) Tert butyl alcohol	4.75	59	242479	222.403	ug/l	99
12) 1,1-Dichloroethene	3.71	96	212970	48.227	ug/l	96
13) Acrolein	3.58	56	185539	247.673	ug/l	98
14) Allyl chloride	4.29	41	447315	50.058	ug/l	99
15) Acrylonitrile	4.95	53	668732	243.843	ug/l	99
16) Acetone	3.79	43	963815	296.876	ug/l	100
17) Carbon Disulfide	4.02	76	664832	46.736	ug/l	99
18) Methyl Acetate	4.29	43	336445	45.583	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	788642	51.002	ug/l	100
20) Methylene Chloride	4.52	84	256111	46.200	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	240597	49.334	ug/l	96
22) Diisopropyl ether	5.92	45	900312	51.509	ug/l	97
23) Vinyl Acetate	5.86	43	3796995	270.388	ug/l	99
24) 1,1-Dichloroethane	5.82	63	489206	48.270	ug/l	99
25) 2-Butanone	6.81	43	1082912	256.960	ug/l	100
26) 2,2-Dichloropropane	6.80	77	432512	49.338	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	274928	49.349	ug/l	99
28) Bromochloromethane	7.17	49	162964	48.281	ug/l	99
29) Tetrahydrofuran	7.18	42	618801	240.027	ug/l	100
30) Chloroform	7.35	83	474884	46.712	ug/l	99
31) Cyclohexane	7.63	56	445004	47.132	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	414191	48.336	ug/l	100
36) 1,1-Dichloropropene	7.77	75	364936	49.680	ug/l	100
37) Ethyl Acetate	6.90	43	393814	49.202	ug/l	100
38) Carbon Tetrachloride	7.75	117	361023	47.707	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	421567	51.111	ug/l	99
40) Benzene	8.02	78	1069010	49.559	ug/l	98
41) Methacrylonitrile	7.15	41	165774m	46.503	ug/l	
42) 1,2-Dichloroethane	8.10	62	403289	48.535	ug/l	100
43) Isopropyl Acetate	8.14	43	637011	49.624	ug/l	100
44) Trichloroethene	8.82	130	259108	49.311	ug/l	99
45) 1,2-Dichloropropane	9.10	63	296942	50.202	ug/l	100
46) Dibromomethane	9.19	93	181465	48.529	ug/l	99
47) Bromodichloromethane	9.39	83	381076	49.446	ug/l	100
48) Methyl methacrylate	9.18	41	296604	50.928	ug/l	100
49) 1,4-Dioxane	9.19	88	95950	1003.601	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1970942	262.869	ug/l	99
52) Toluene	10.15	92	662160	51.765	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	441644	51.765	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	468316	51.378	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	255796	48.542	ug/l	98
56) Ethyl methacrylate	10.42	69	417104	47.242	ug/l	100
57) 1,3-Dichloropropane	10.70	76	461558	49.905	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	914242	244.714	ug/l	99
59) 2-Hexanone	10.75	43	1593227	274.988	ug/l	100
60) Dibromochloromethane	10.90	129	286643	50.537	ug/l	99
61) 1,2-Dibromoethane	11.00	107	272630	50.555	ug/l	99
64) Tetrachloroethene	10.63	164	232026	48.194	ug/l	98
65) Chlorobenzene	11.43	112	702811	50.217	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	260429	49.311	ug/l	100
67) Ethyl Benzene	11.51	91	1320536	53.787	ug/l	98
68) m/p-Xylenes	11.62	106	969164	106.445	ug/l	100
69) o-Xylene	11.95	106	465305	53.585	ug/l	99
70) Styrene	11.96	104	784132	48.958	ug/l	100
71) Bromoform	12.13	173	200905	49.057	ug/l #	99
73) Isopropylbenzene	12.25	105	1281219	51.836	ug/l	99
74) N-amyl acetate	12.07	43	587448	52.425	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	401867	46.239	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	344391m	43.936	ug/l	
77) Bromobenzene	12.53	156	298930	49.067	ug/l	98
78) n-propylbenzene	12.59	91	1538449	52.657	ug/l	100
79) 2-Chlorotoluene	12.68	91	887934	49.656	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1093368	52.650	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	149860	49.806	ug/l	99
82) 4-Chlorotoluene	12.78	91	931782	50.990	ug/l	100
83) tert-Butylbenzene	13.00	119	901166	50.746	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1095446	53.480	ug/l	99
85) sec-Butylbenzene	13.17	105	1245957	52.625	ug/l	99
86) p-Isopropyltoluene	13.29	119	1131168	54.147	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	544124	49.949	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	535324	49.083	ug/l	99
89) n-Butylbenzene	13.62	91	1054469	54.947	ug/l	99
90) Hexachloroethane	13.88	117	203465	48.064	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	532838	49.766	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84142	42.804	ug/l	96

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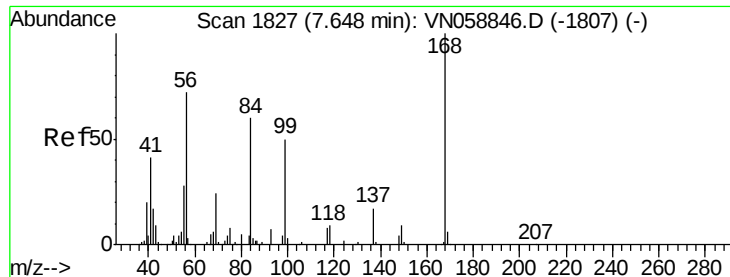
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	315603	46.984	ug/l	99
94) Hexachlorobutadiene	15.01	225	167348	48.223	ug/l	99
95) Naphthalene	15.13	128	886072	45.928	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	300030	45.928	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058873.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 447960

Ion Ratio Lower Upper

168 100

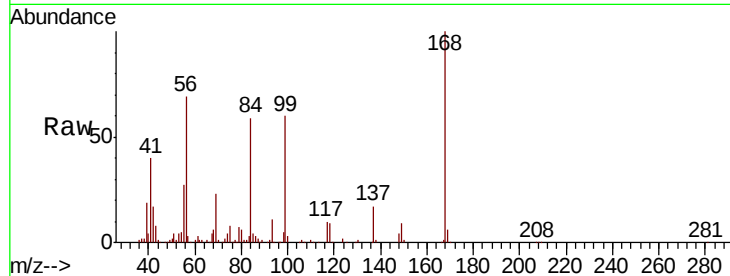
99 60.3 48.1 72.1

Manual Integrations

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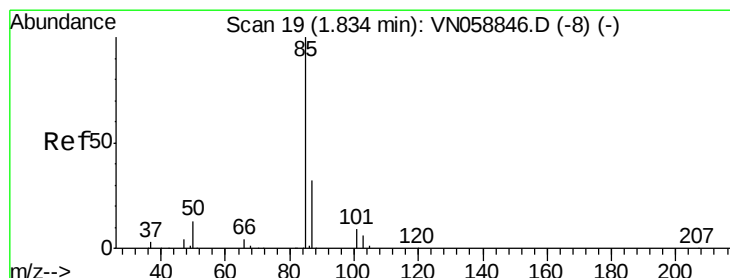
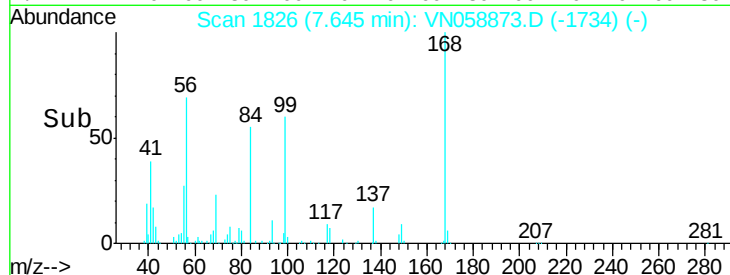
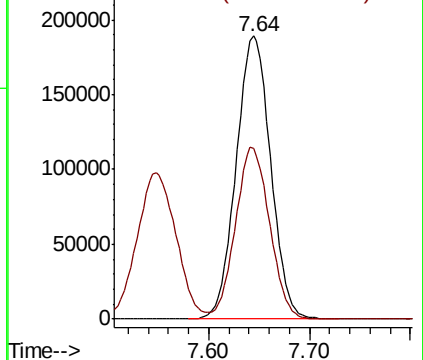
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.502 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058873.D

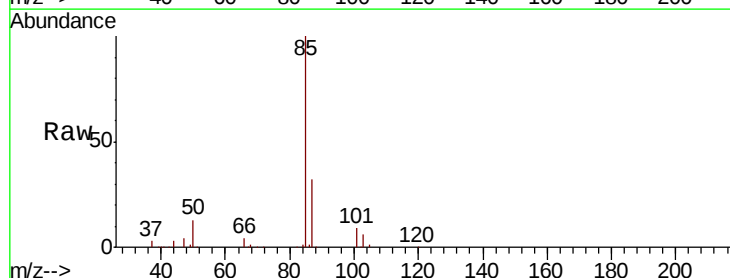
Acq: 21 Oct 2019 9:03

Tgt Ion: 85 Resp: 270890

Ion Ratio Lower Upper

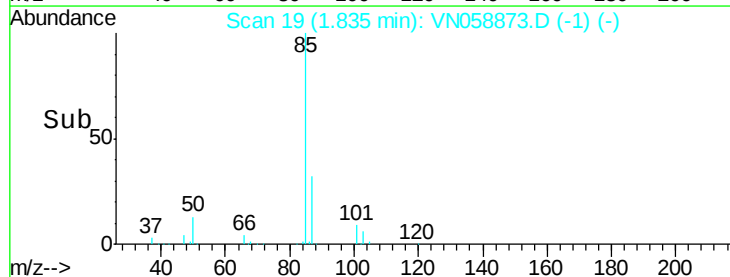
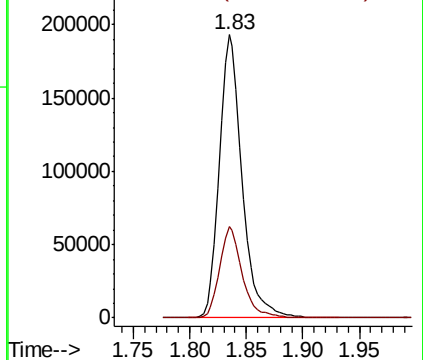
85 100

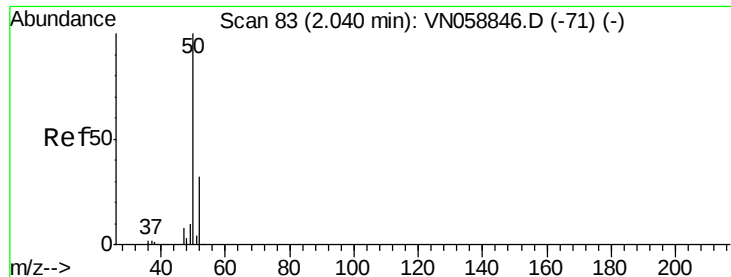
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.365 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 327638

Ion Ratio Lower Upper

50 100

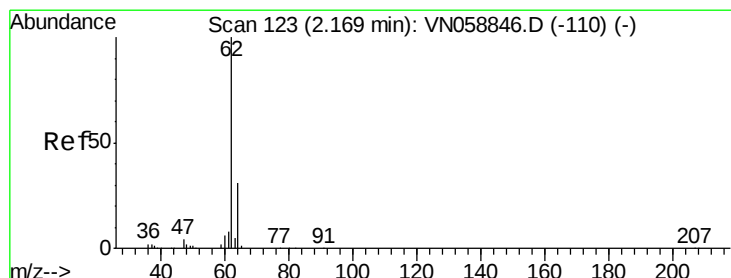
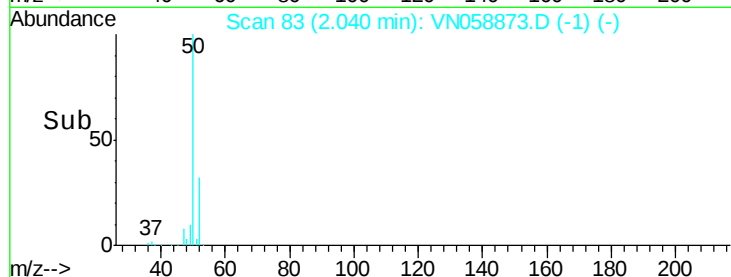
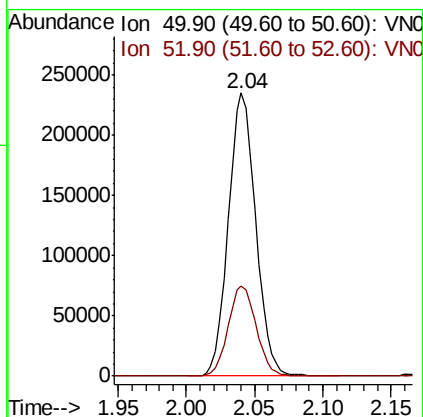
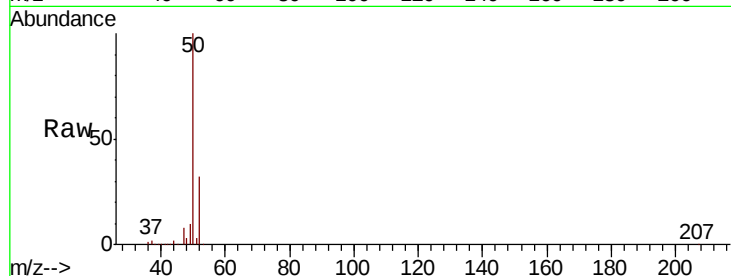
52 32.1 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.505 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058873.D

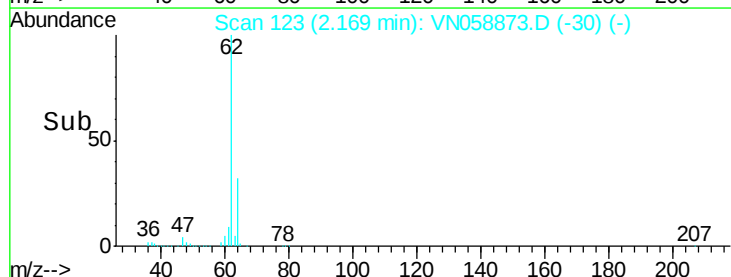
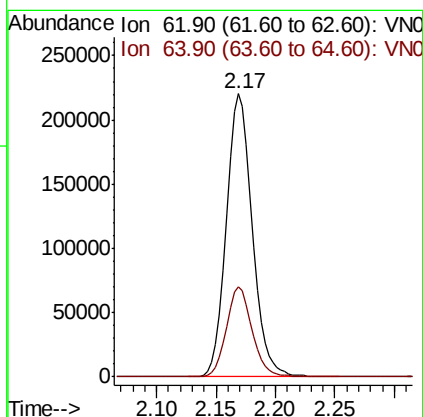
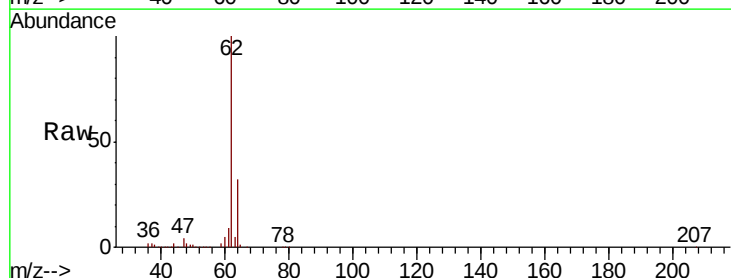
Acq: 21 Oct 2019 9:03

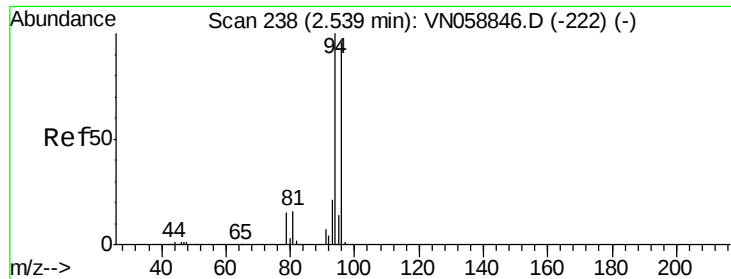
Tgt Ion: 62 Resp: 333142

Ion Ratio Lower Upper

62 100

64 32.0 24.6 36.8





#5

Bromomethane

Concen: 45.808 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 197016

Ion Ratio Lower Upper

94 100

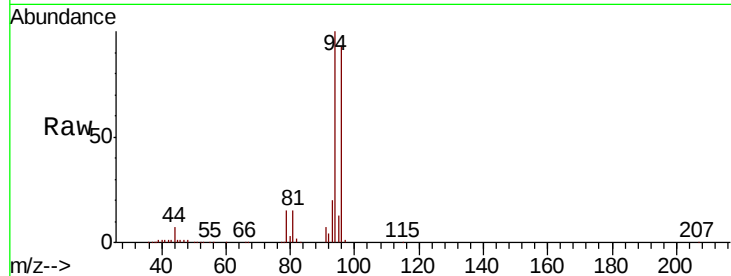
96 93.2 77.0 115.6

Manual Integrations

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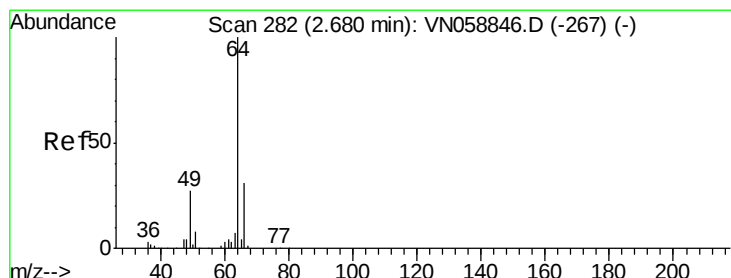
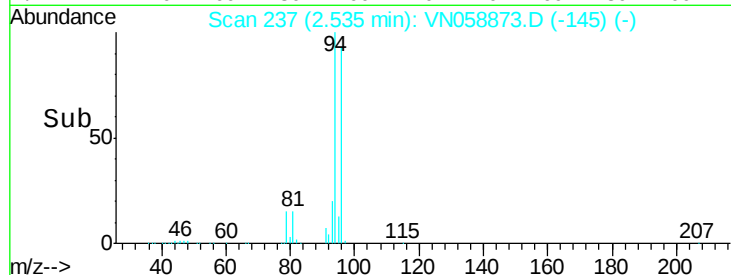
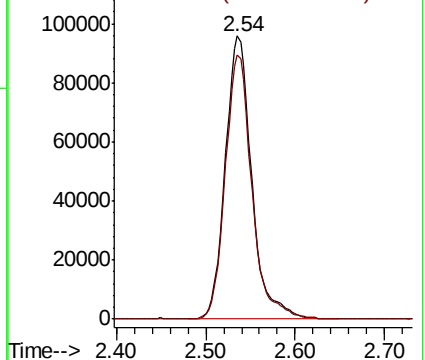
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.675 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN058873.D

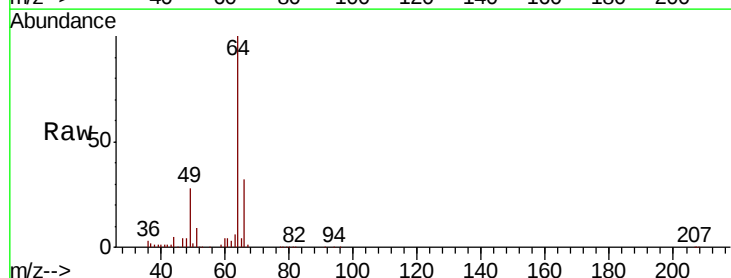
Acq: 21 Oct 2019 9:03

Tgt Ion: 64 Resp: 205577

Ion Ratio Lower Upper

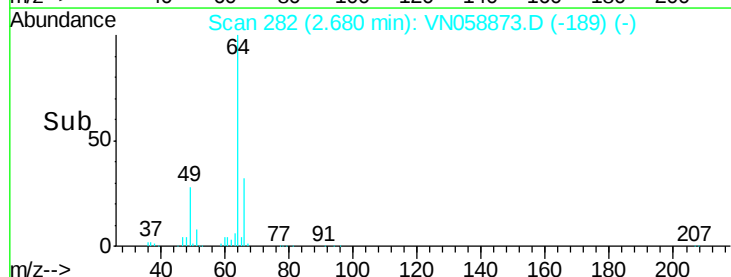
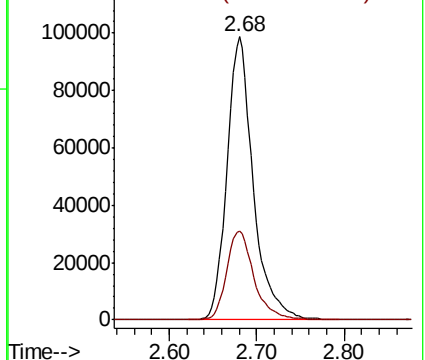
64 100

66 31.4 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

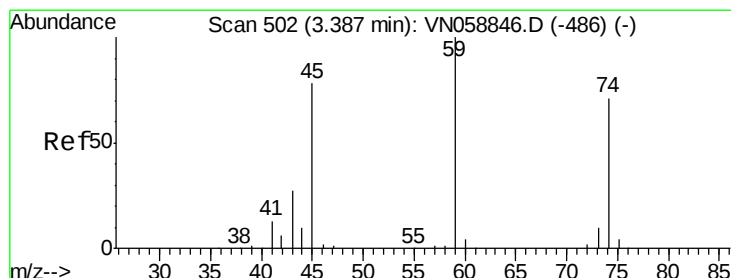
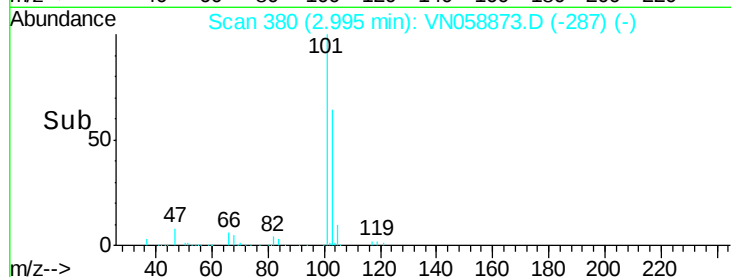
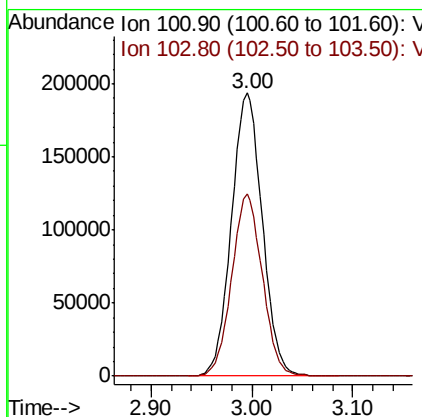
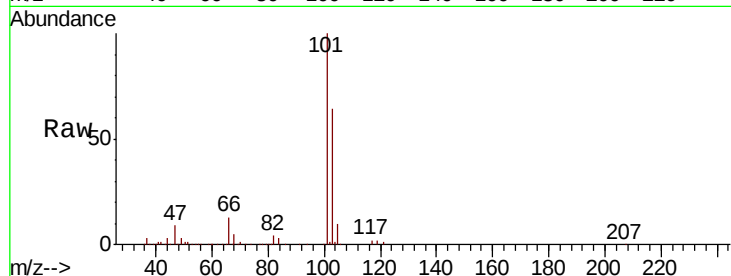
Trichlorofluoromethane
 Concen: 48.397 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2

Manual Integrations
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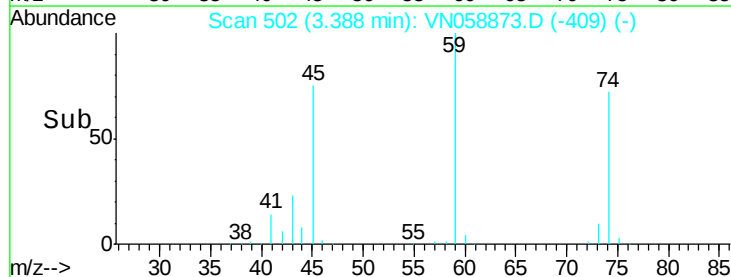
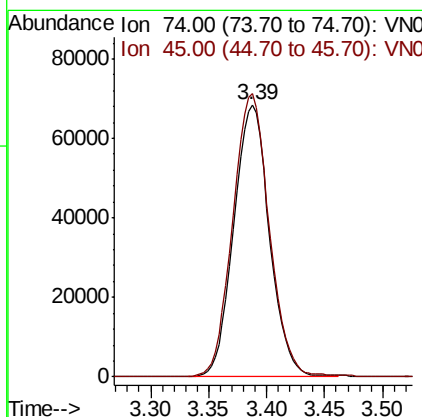
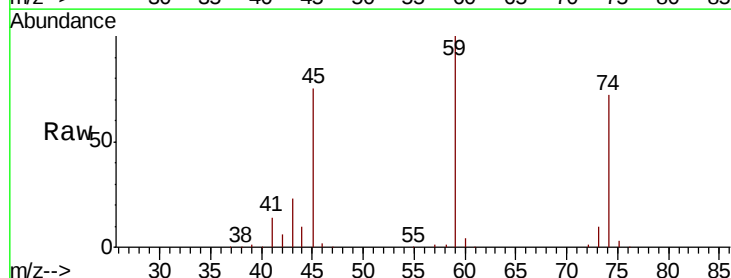
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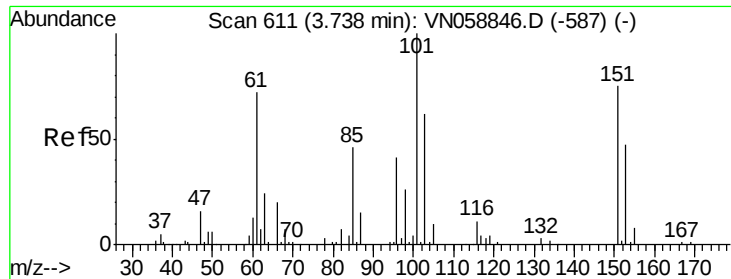


#8

Diethyl Ether
 Concen: 49.779 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	54.9	164.5





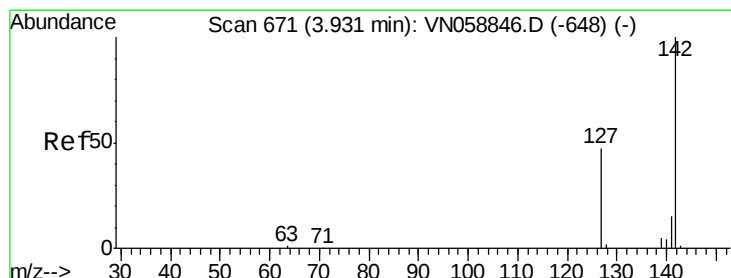
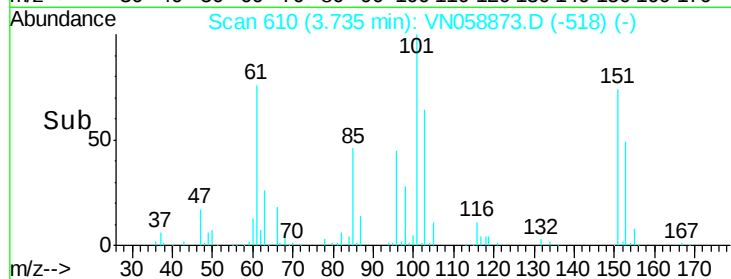
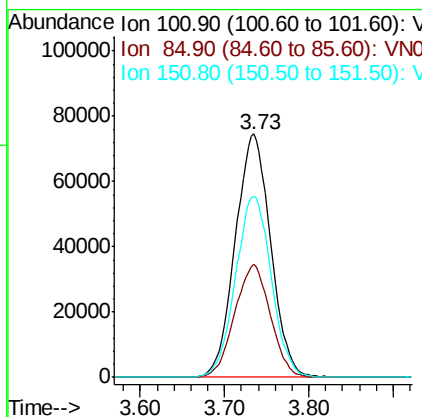
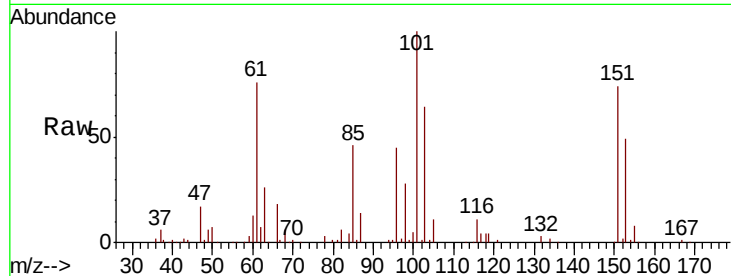
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.330 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.7	37.2	55.8
151	75.1	59.9	89.9

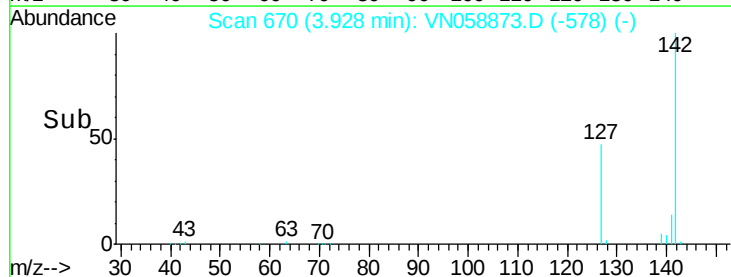
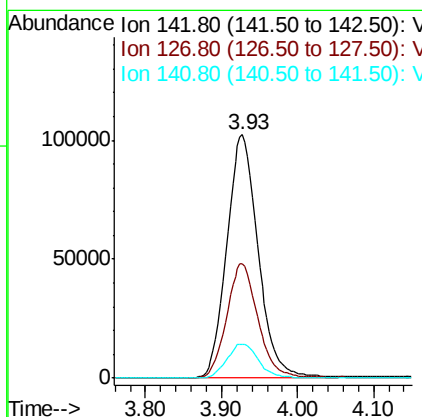
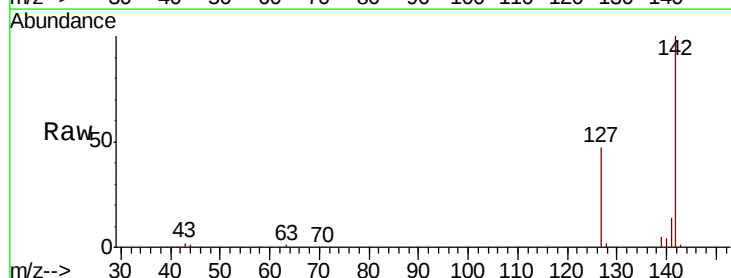
Manual Integrations
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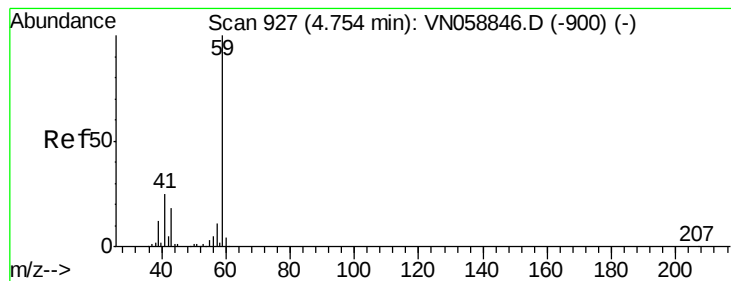
MMDadoda
 10/22/2019 4:55:11 PM



#10
 Methyl Iodide
 Concen: 47.556 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.6	36.6	54.8
141	14.2	11.4	17.2





#11

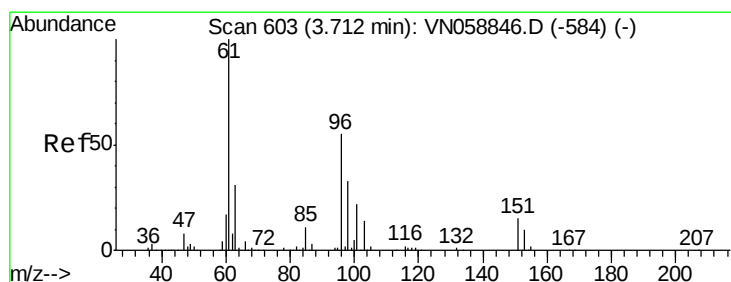
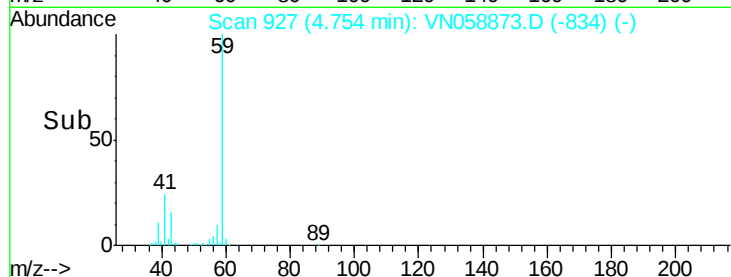
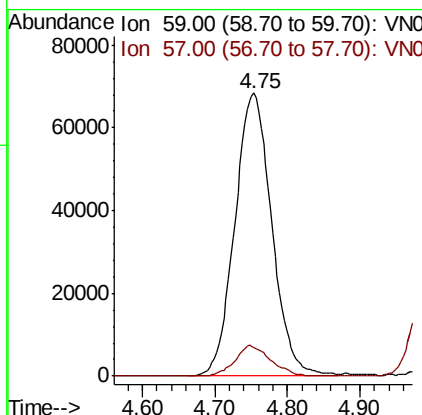
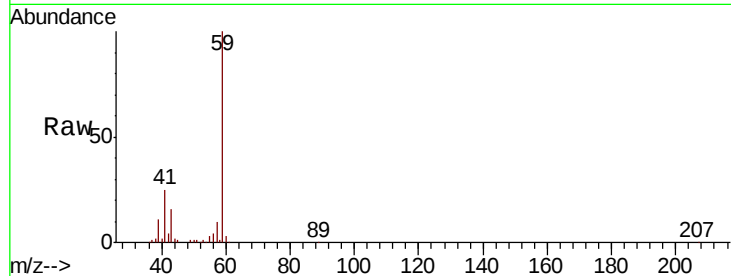
Tert butyl alcohol
Concen: 222.403 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

Manual Integrations
APPROVED

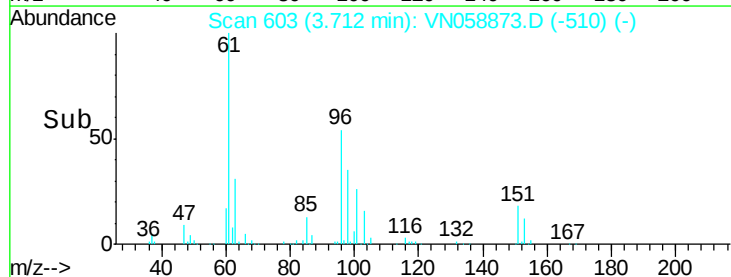
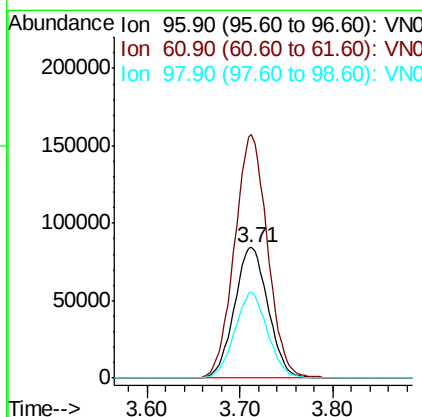
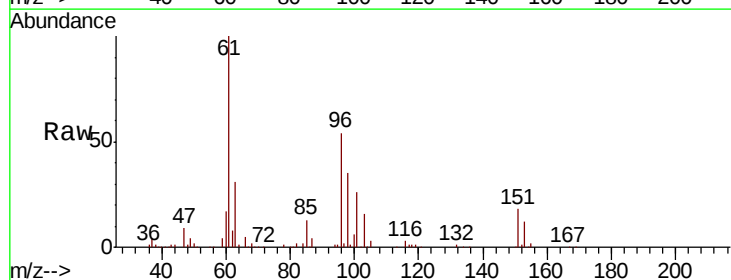
MMDadoda
10/22/2019 4:55:11 PM

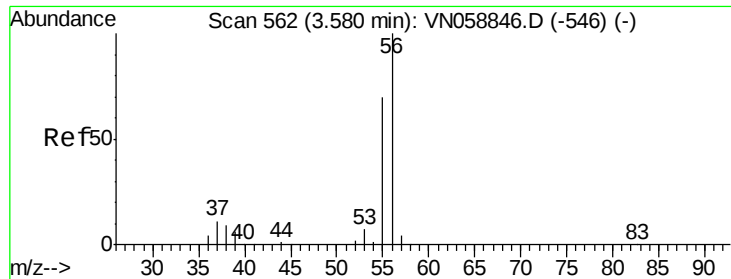


#12

1,1-Dichloroethene
Concen: 48.227 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.6	146.2	219.2
98	66.1	48.7	73.1





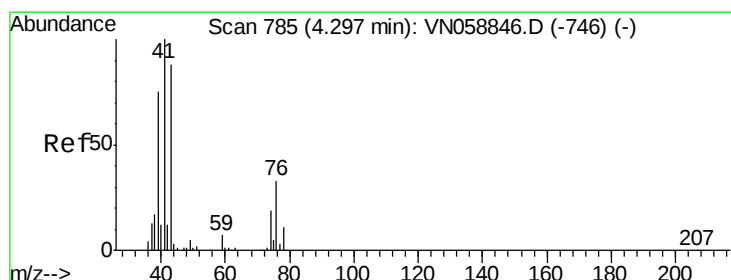
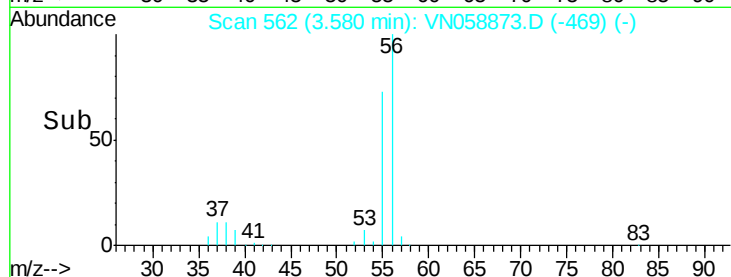
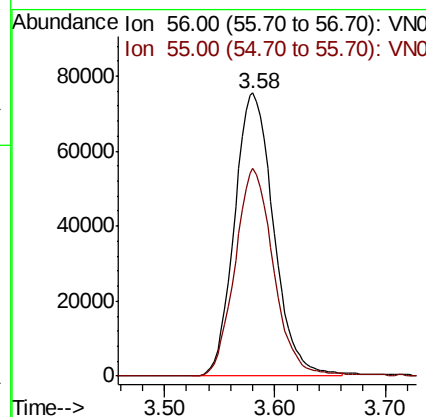
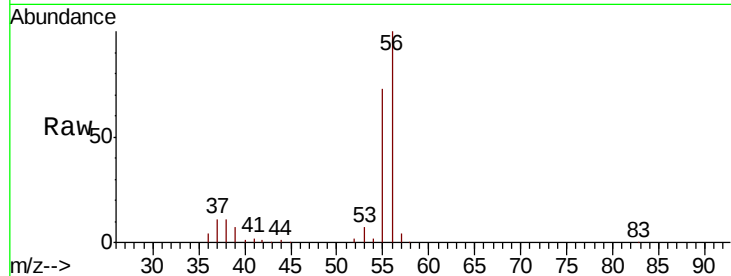
#13
Acrolein
Concen: 247.673 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	185539	Lower	Upper
Ion Ratio	100	72.3				
			56.6		85.0	

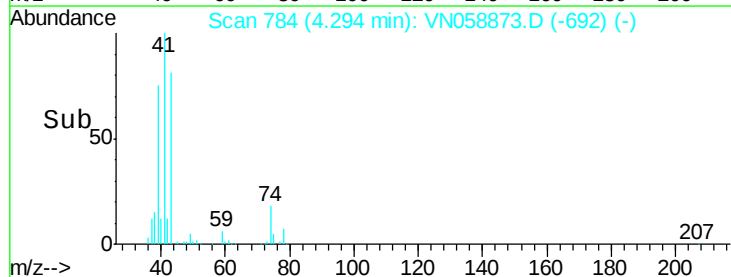
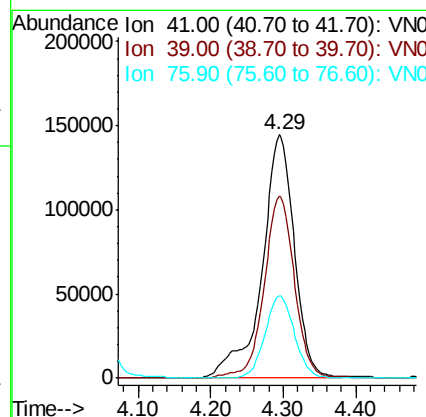
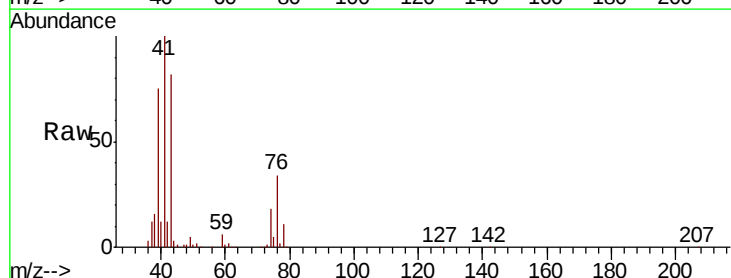
Manual Integrations
APPROVED

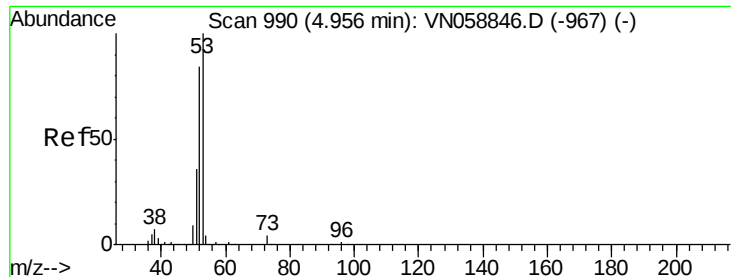
MMDadoda
10/22/2019 4:55:11 PM



#14
Allyl chloride
Concen: 50.058 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	41	39	76	Resp	447315	Lower	Upper
Ion Ratio	100	70.1	30.8				
				55.9		83.9	
				24.1		36.1	





#15

Acrylonitrile

Concen: 243.843 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

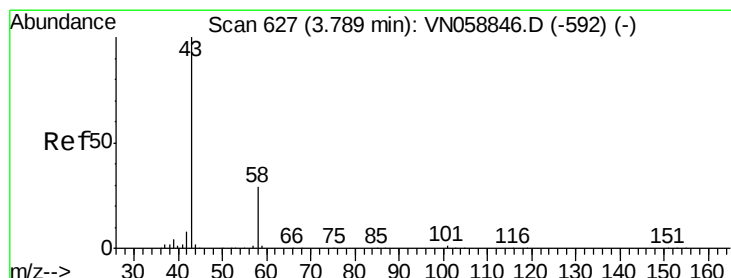
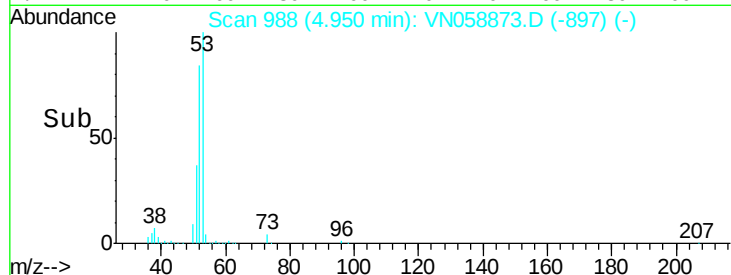
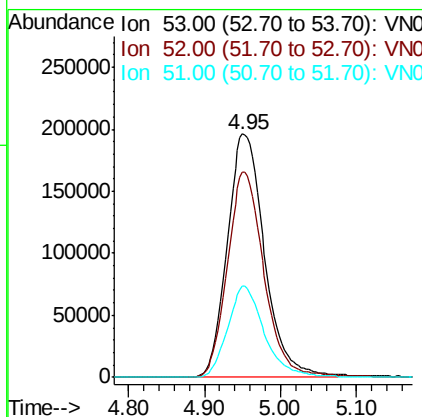
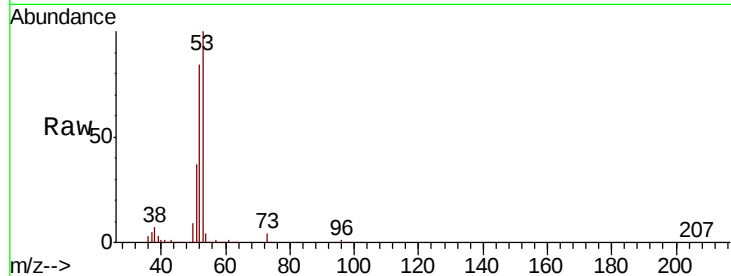
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	668732
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.6	99.8
51	37.0	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 296.876 ug/l

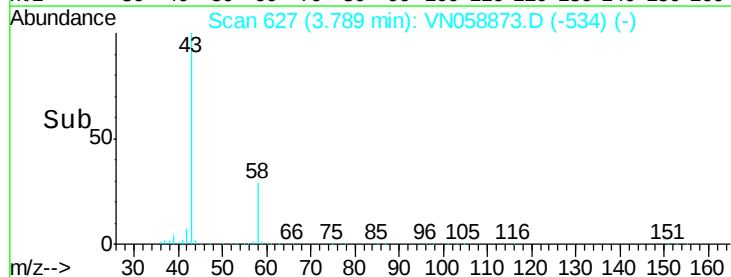
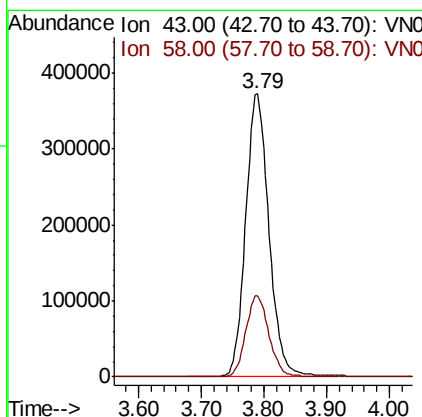
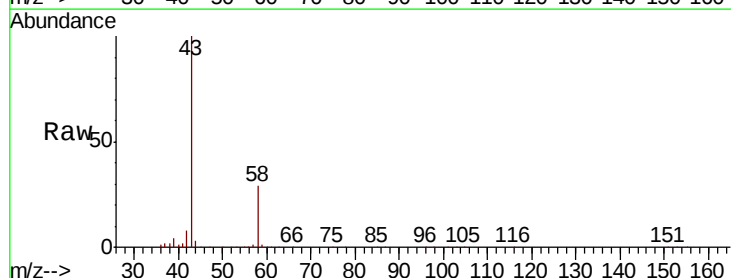
RT: 3.79 min Scan# 627

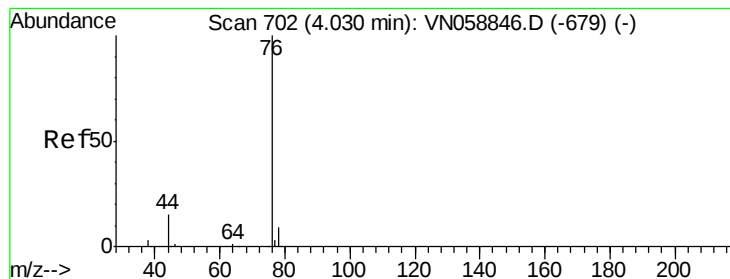
Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion:	43	Resp:	963815
Ion Ratio		Lower	Upper
43	100		
58	28.7	23.1	34.7





#17

Carbon Disulfide

Concen: 46.736 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 664832

Ion Ratio Lower Upper

76 100

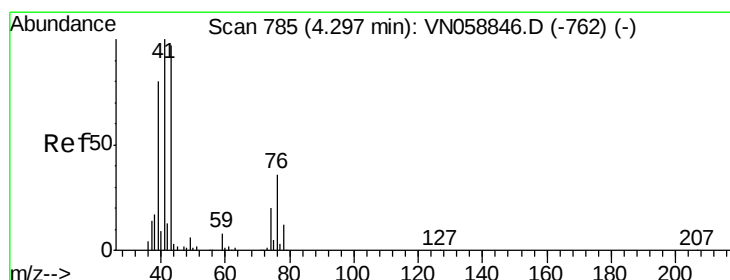
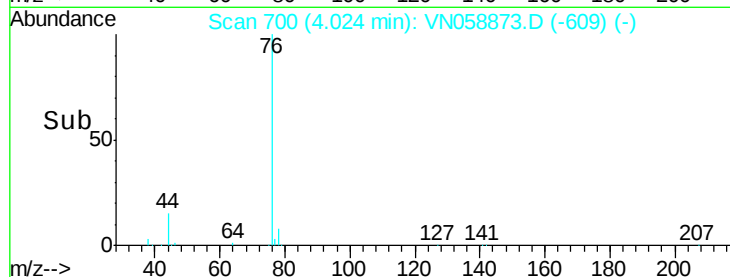
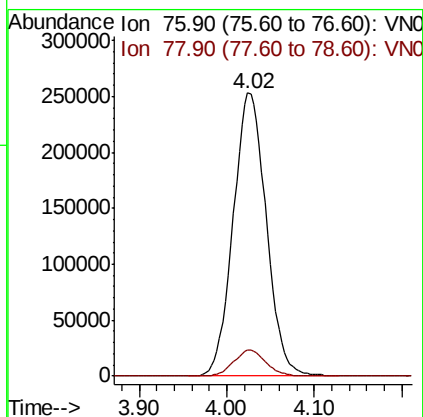
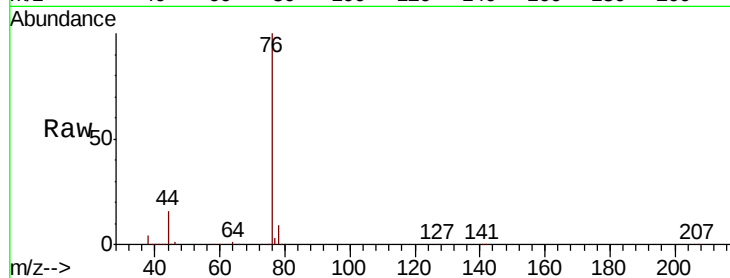
78 9.1 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 45.583 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058873.D

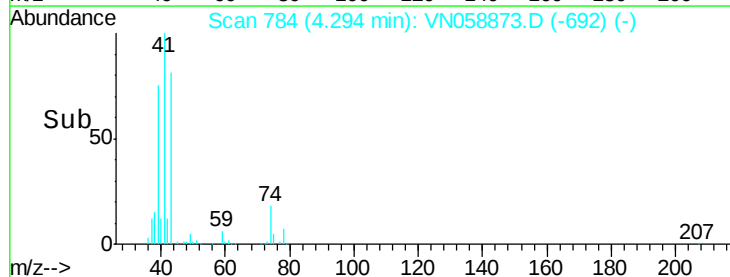
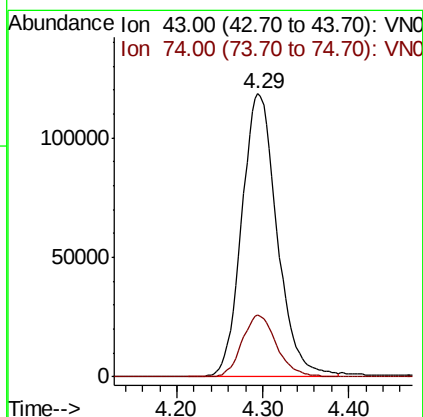
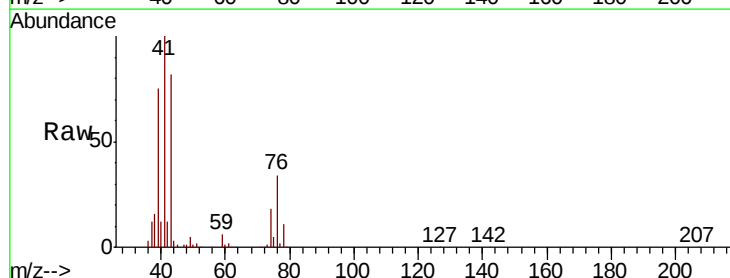
Acq: 21 Oct 2019 9:03

Tgt Ion: 43 Resp: 336445

Ion Ratio Lower Upper

43 100

74 21.5 17.1 25.7





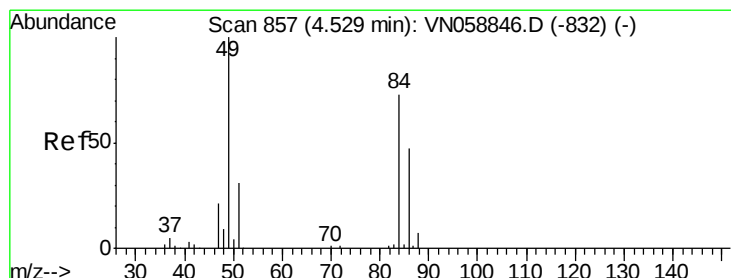
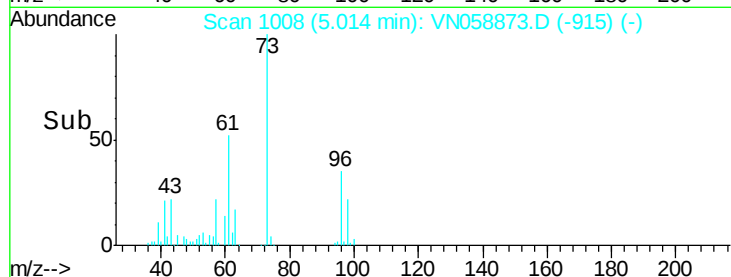
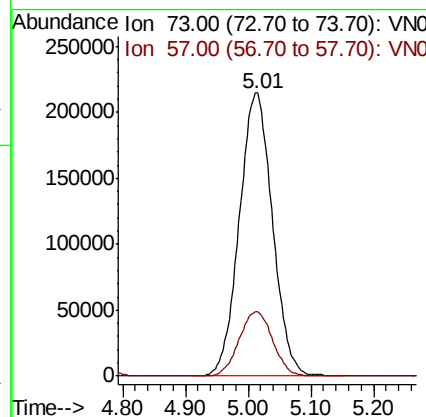
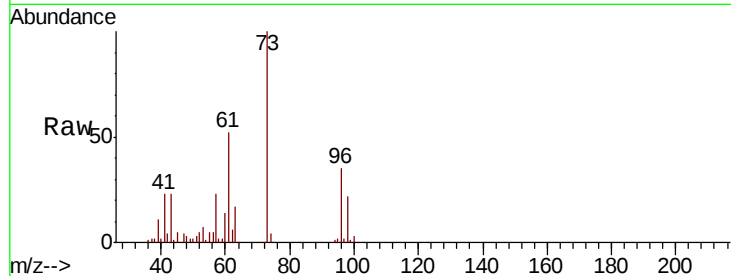
#19
Methvl tert-butvl Ether
Concen: 51.002 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 788642
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9

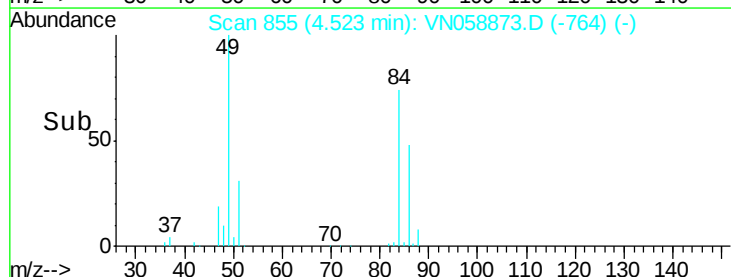
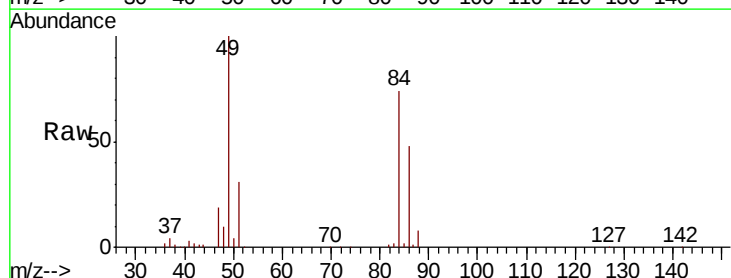
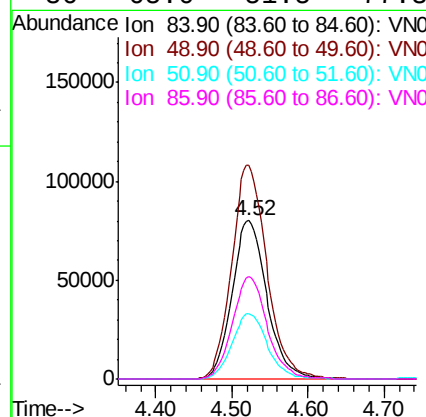
Manual Integrations
APPROVED

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10/22/2019 4:55:11 PM



#20
Methylene Chloride
Concen: 46.200 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion: 84 Resp: 256111
Ion Ratio Lower Upper
84 100
49 135.0 109.6 164.4
51 41.6 33.8 50.6
86 65.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.334 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

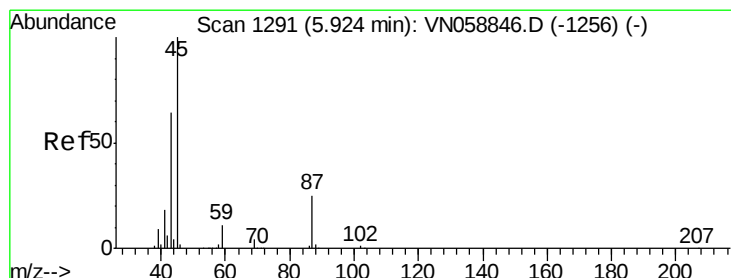
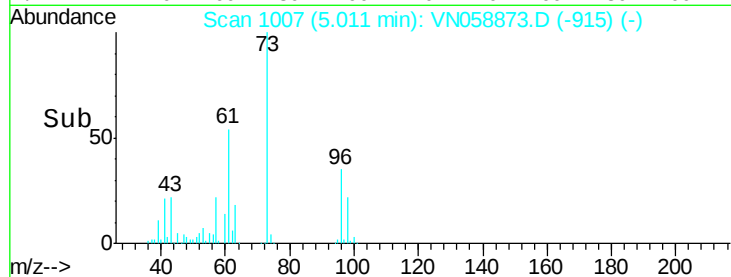
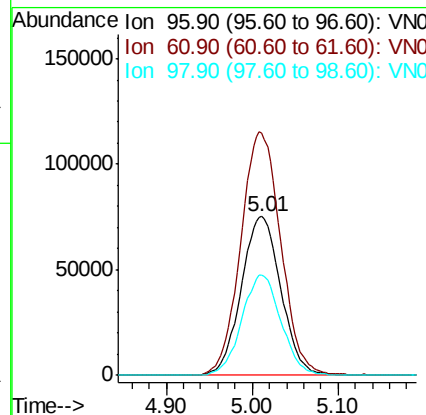
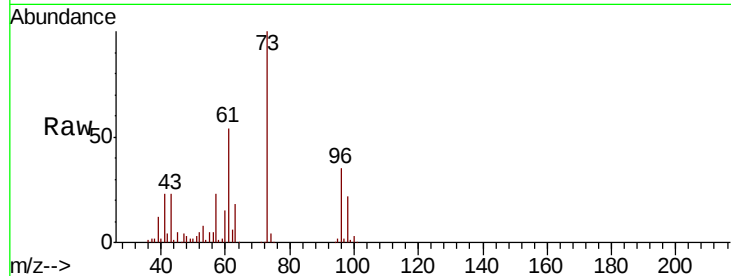
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	240597
Ion	Ratio	Lower	Upper
96	100		
61	152.3	126.7	190.1
98	63.5	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.509 ug/l

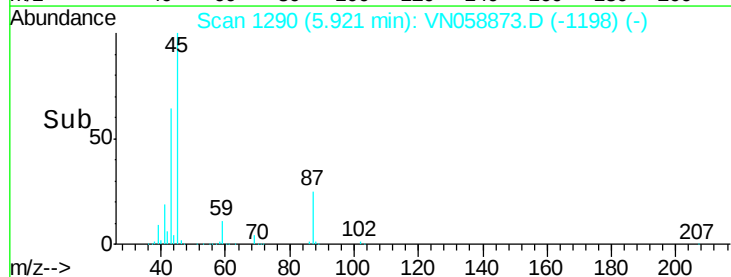
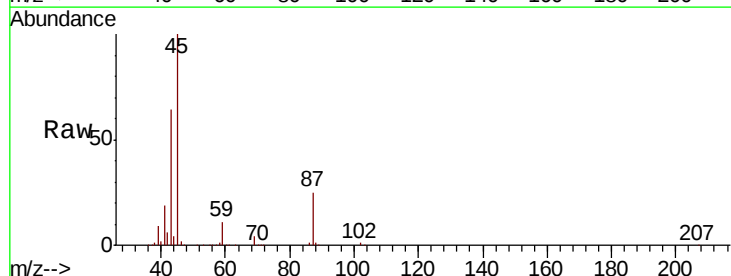
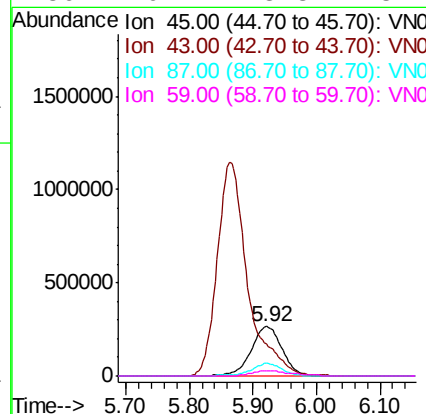
RT: 5.92 min Scan# 1290

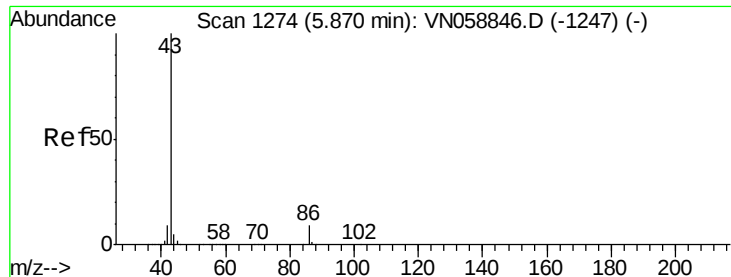
Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion:	45	Resp:	900312
Ion	Ratio	Lower	Upper
45	100		
43	62.9	52.9	79.3
87	25.0	20.2	30.4
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 270.388 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3796995

Ion Ratio Lower Upper

43 100

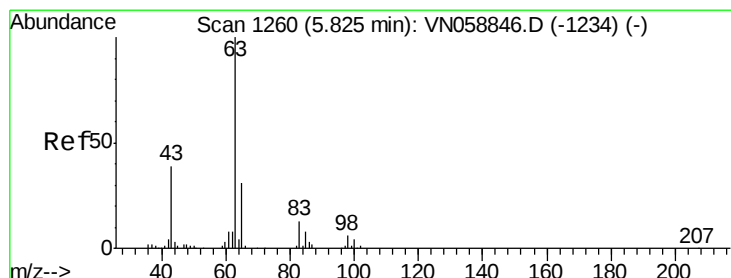
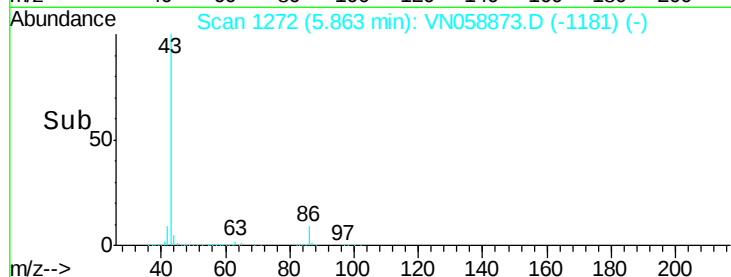
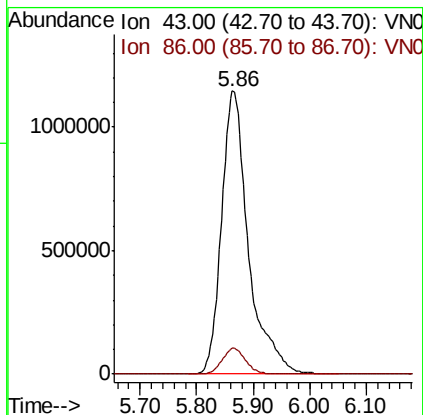
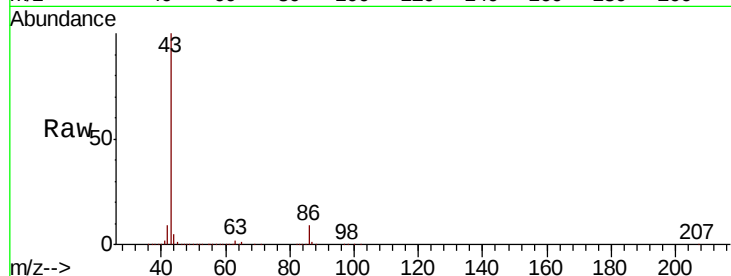
86 9.3 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.270 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

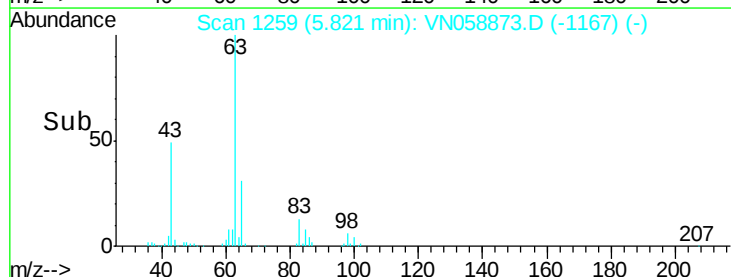
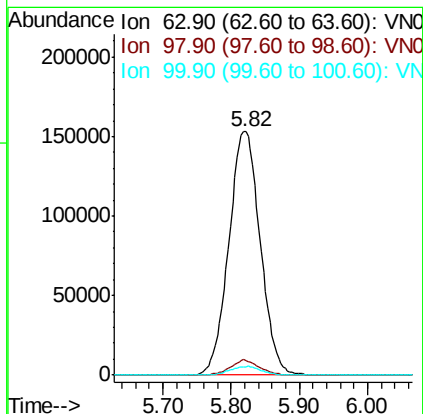
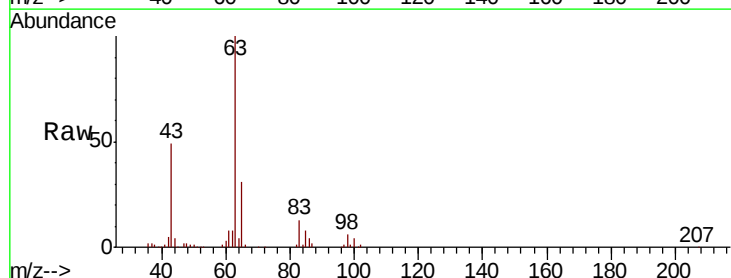
Tgt Ion: 63 Resp: 489206

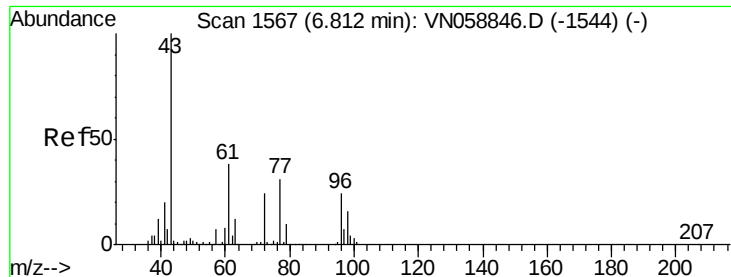
Ion Ratio Lower Upper

63 100

98 6.1 2.8 8.4

100 3.6 1.9 5.7





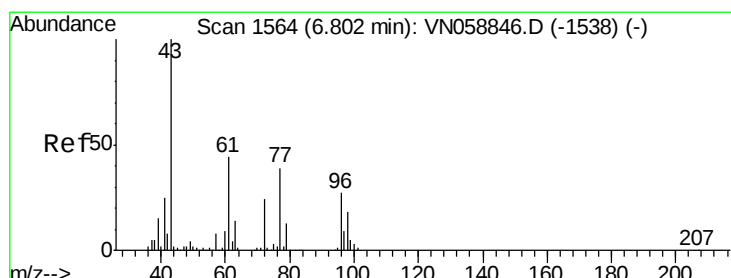
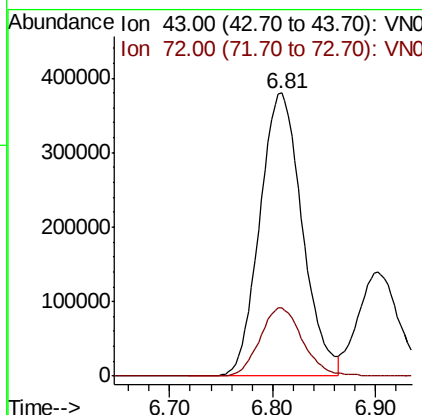
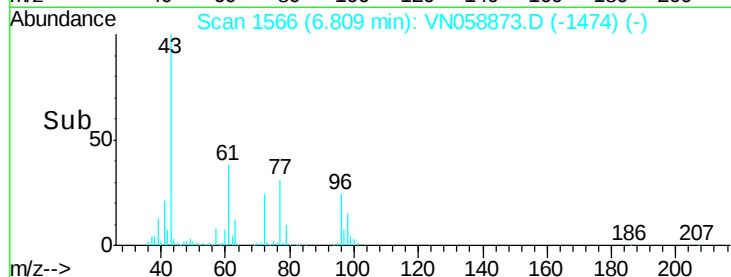
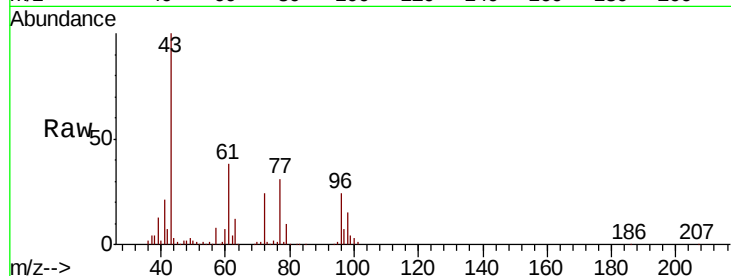
#25
2-Butanone
Concen: 256.960 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1082912
Ion Ratio Lower Upper
43 100
72 24.0 19.1 28.7

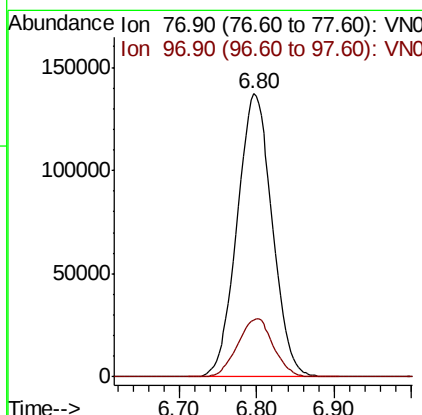
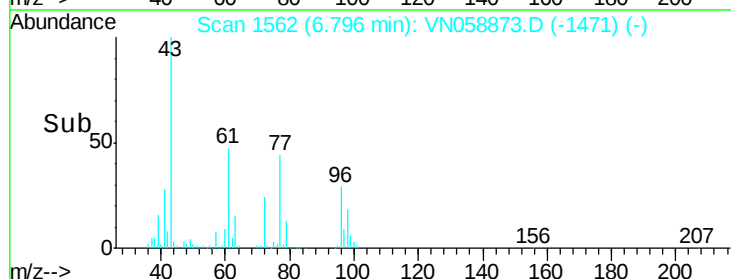
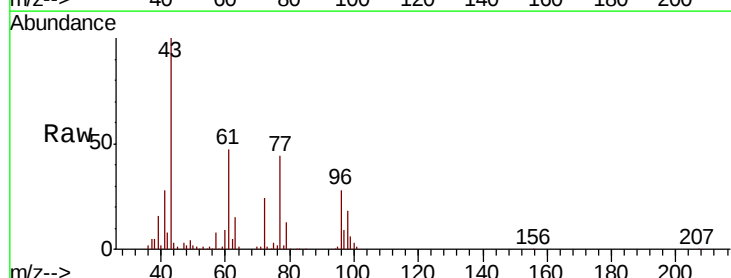
Manual Integrations
APPROVED

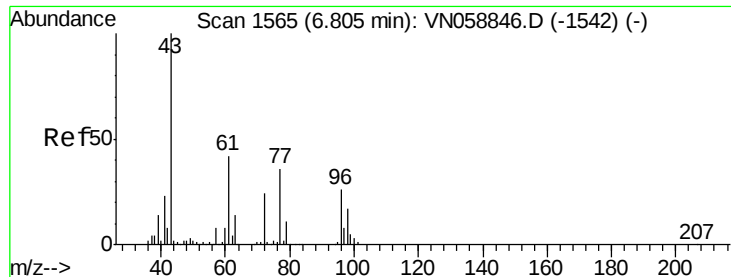
MMDadoda
10/22/2019 4:55:11 PM



#26
2,2-Dichloropropane
Concen: 49.338 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion: 77 Resp: 432512
Ion Ratio Lower Upper
77 100
97 21.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 49.349 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

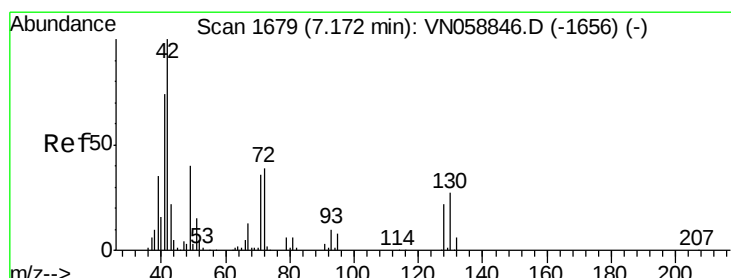
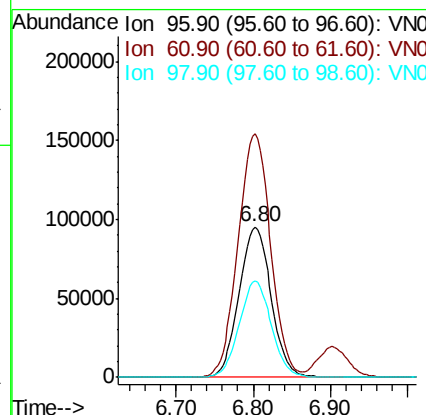
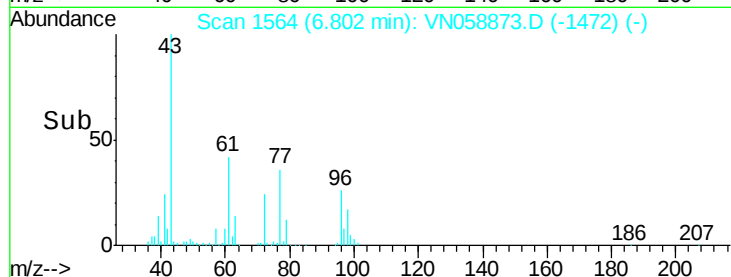
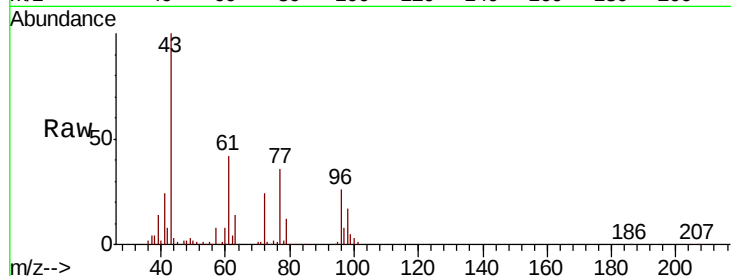
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	274928
Ion Ratio	Lower	Upper	
96	100		
61	164.3	0.0	325.0
98	63.8	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 48.281 ug/l

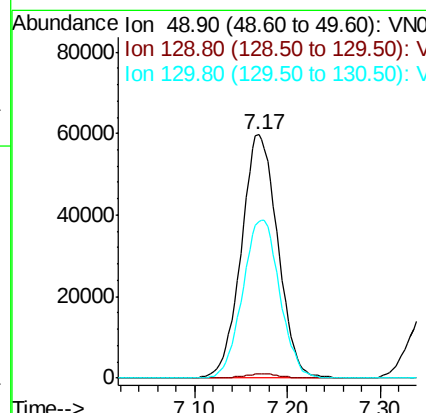
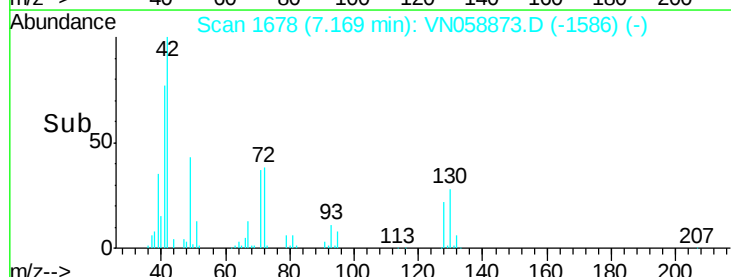
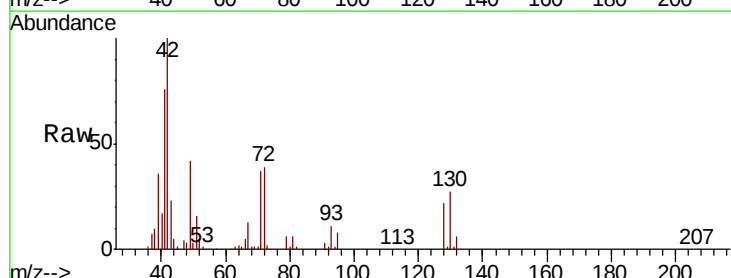
RT: 7.17 min Scan# 1678

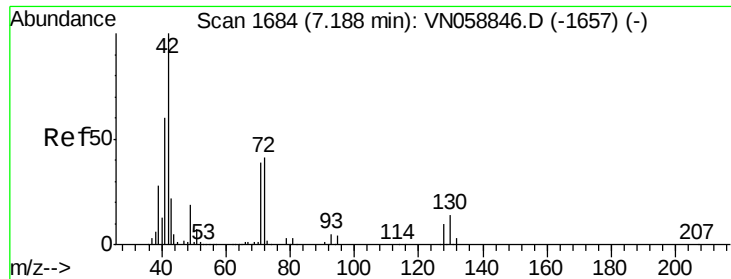
Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion:	49	Resp:	162964
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.2
130	65.9	53.5	80.3





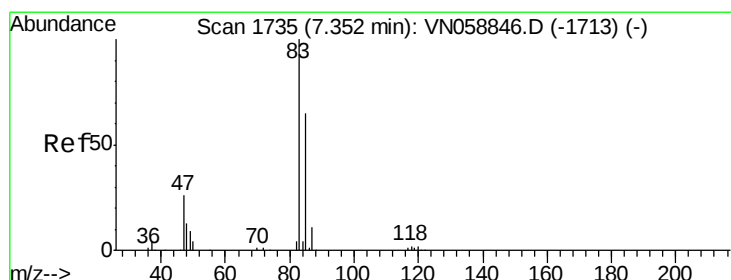
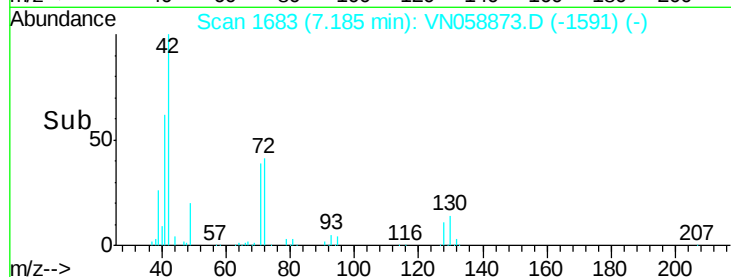
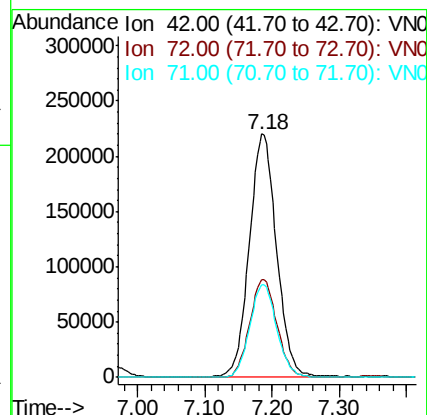
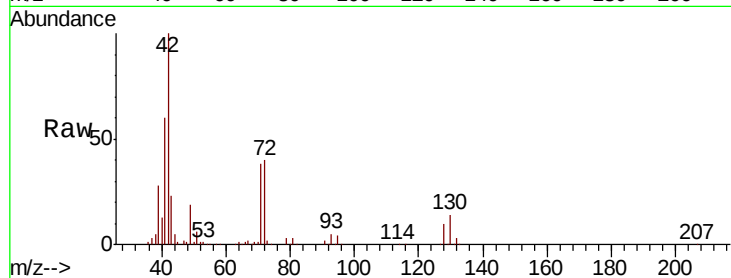
#29
Tetrahydrofuran
Concen: 240.027 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.2	48.2
71	37.7	30.6	45.8

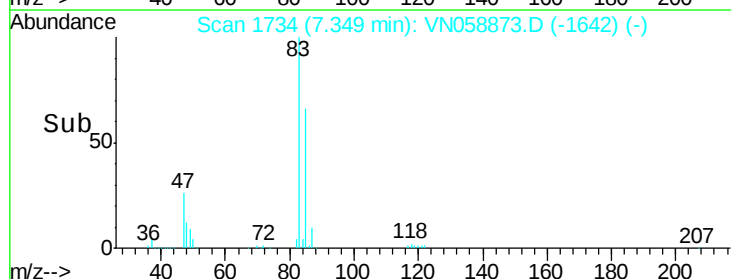
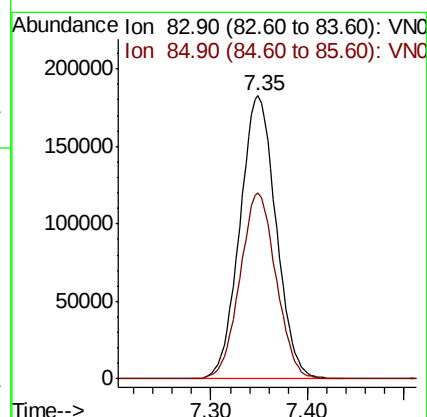
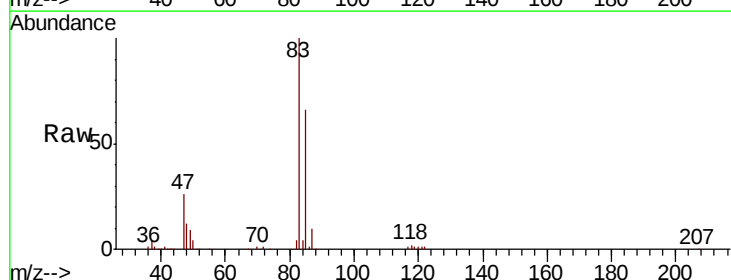
Manual Integrations
APPROVED

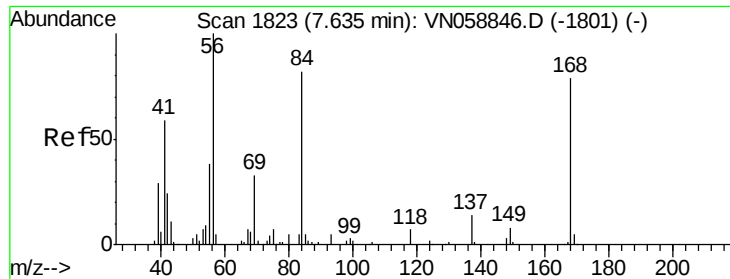
MMDadoda
10/22/2019 4:55:11 PM



#30
Chloroform
Concen: 46.712 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.9	77.9





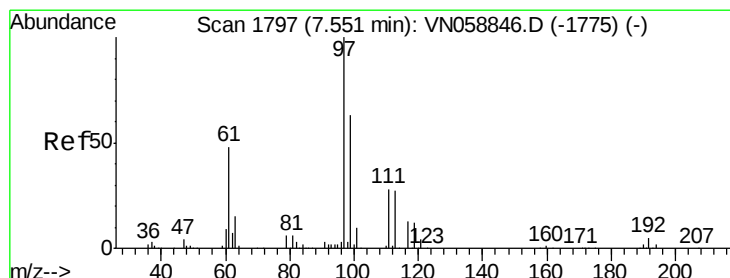
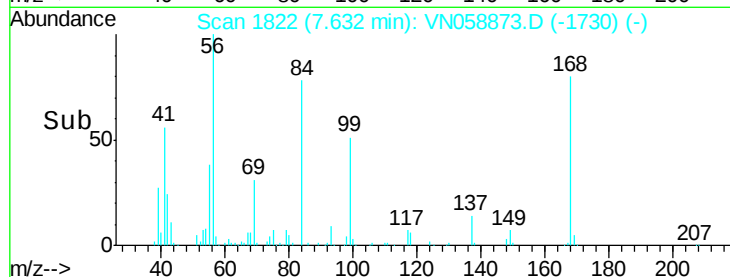
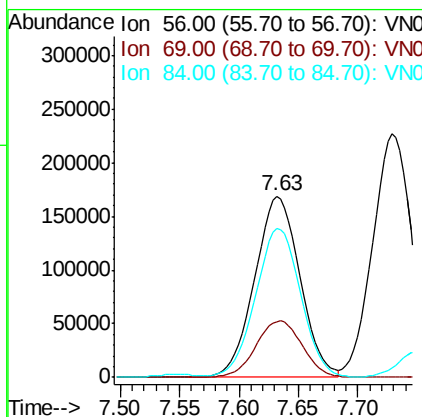
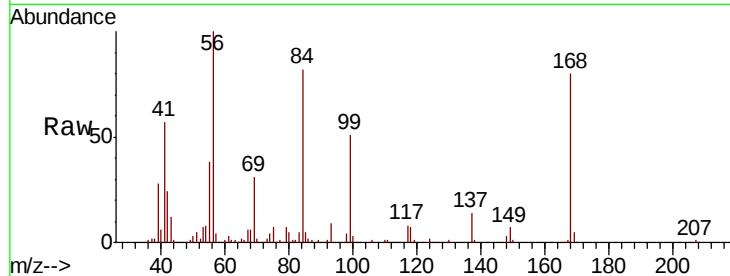
#31
Cyclohexane
Concen: 47.132 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	26.2	39.4
84	80.5	65.6	98.4

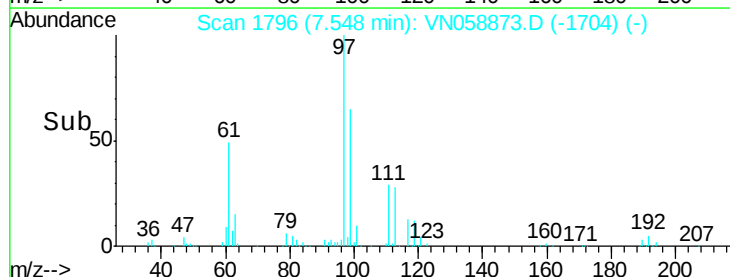
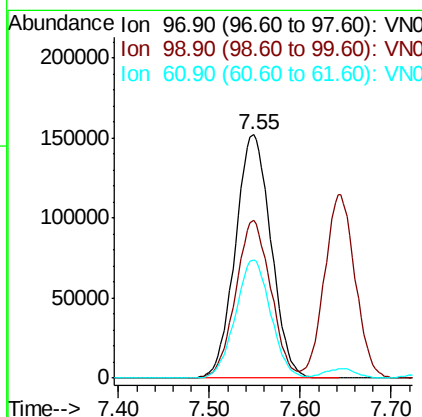
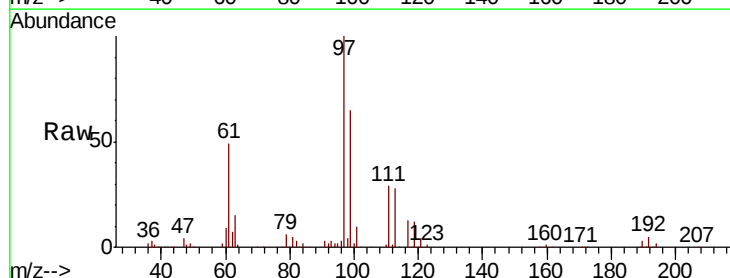
Manual Integrations
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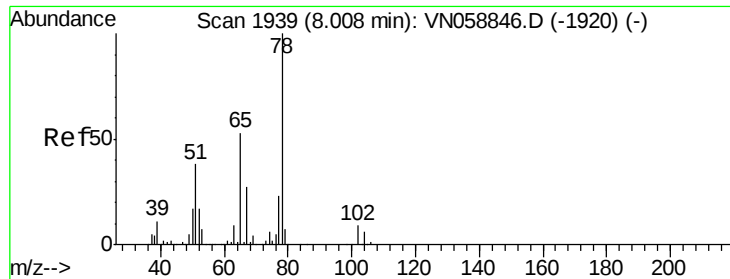
MMDadoda
10/22/2019 4:55:11 PM



#32
1,1,1-Trichloroethane
Concen: 48.336 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	47.9	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 49.640 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 326136

Ion Ratio Lower Upper

65 100

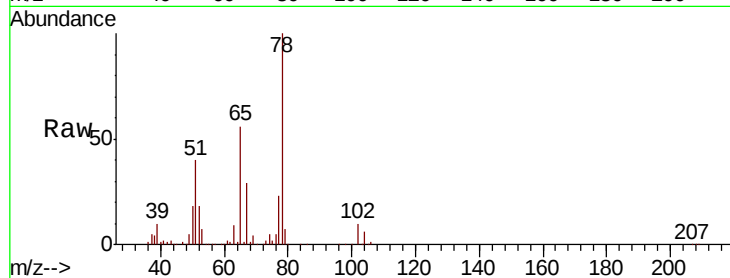
67 52.2 0.0 103.2

Manual Integrations

APPROVED

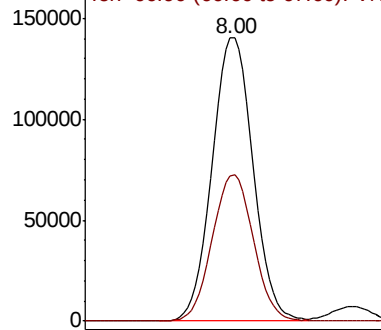
MMDadoda

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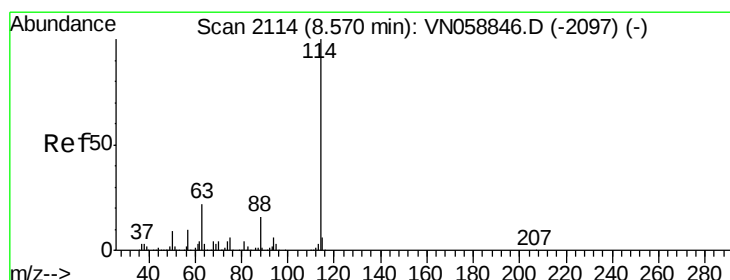
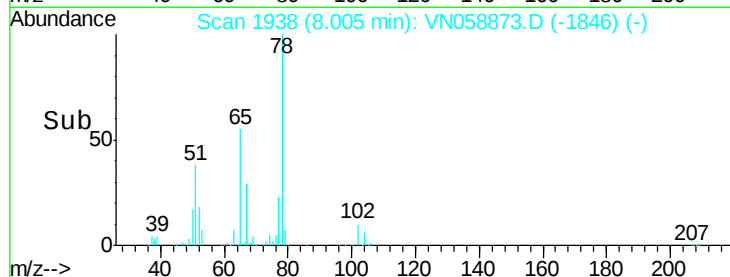


Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

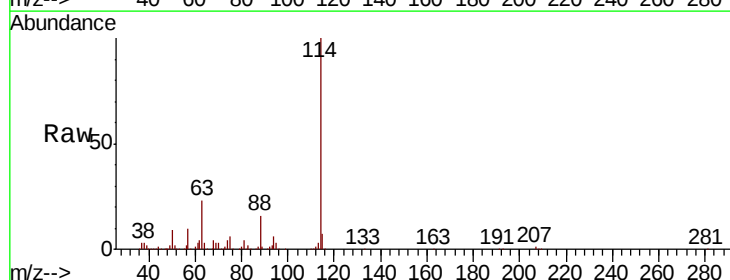
Tgt Ion: 114 Resp: 717500

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.4

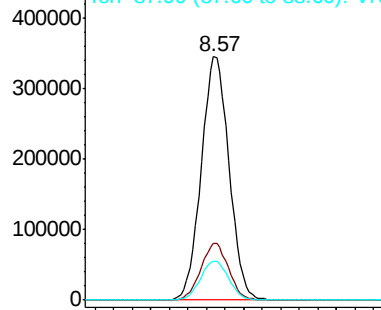
88 16.1 0.0 31.4



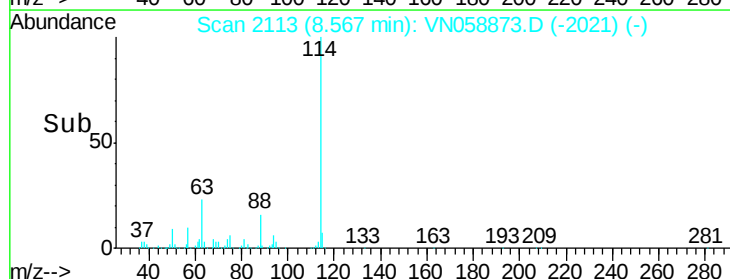
Abundance Ion 113.90 (113.60 to 114.60): V

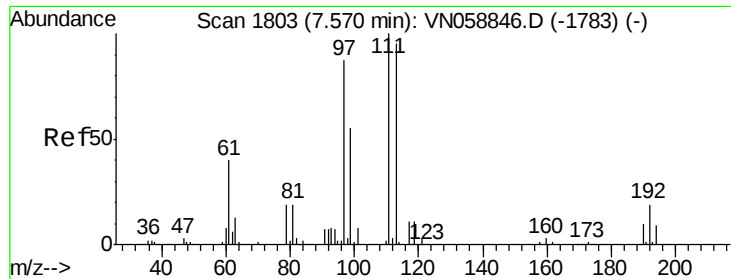
Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



Time-->





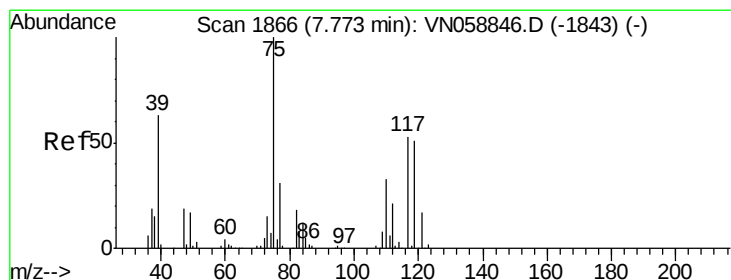
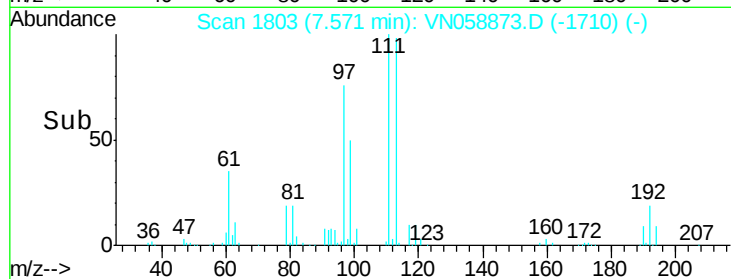
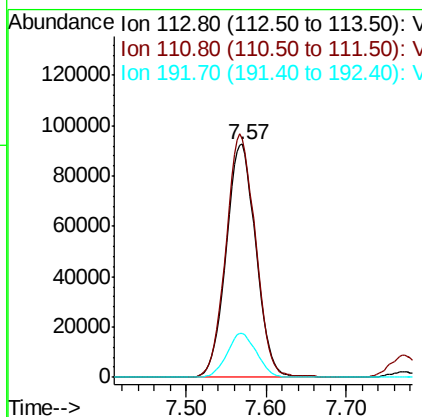
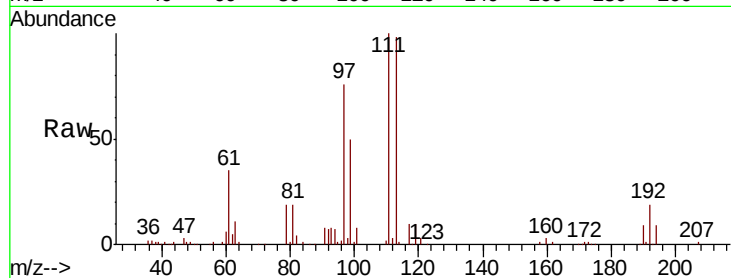
#35
 Dibromofluoromethane
 Concen: 49.689 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	234404		
111	103.5	82.0	123.0	
192	18.7	15.0	22.6	

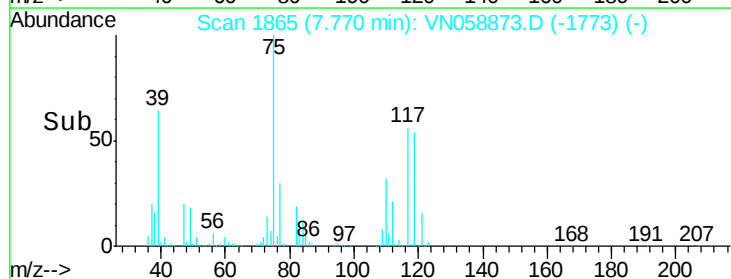
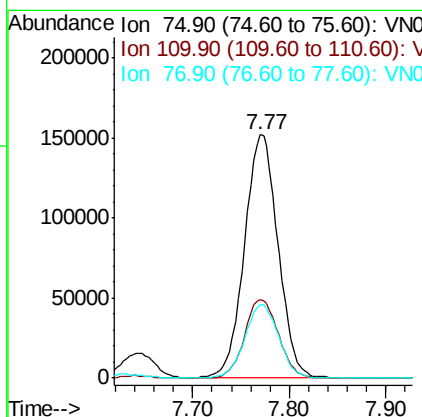
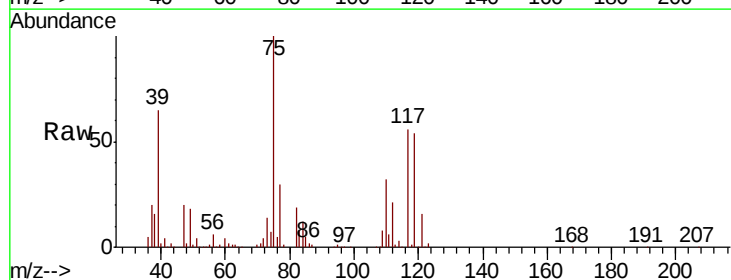
Manual Integrations
 APPROVED

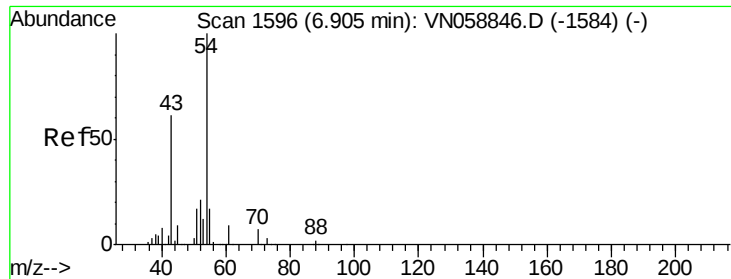
MMDadoda
 10/22/2019 4:55:11 PM



#36
 1,1-Dichloropropene
 Concen: 49.680 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	364936		
110	32.7	16.3	48.9	
77	31.0	24.6	36.8	





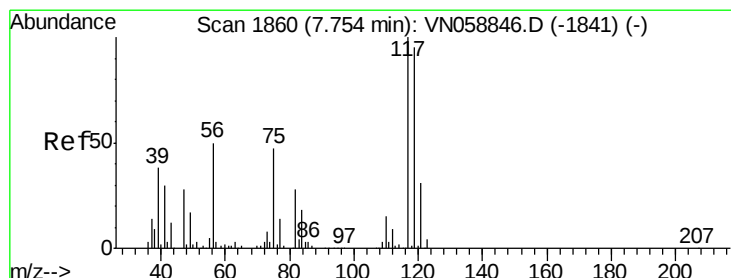
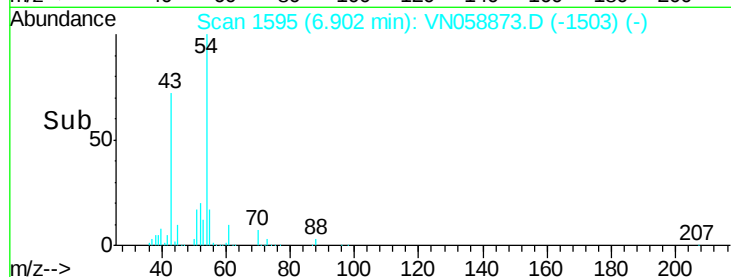
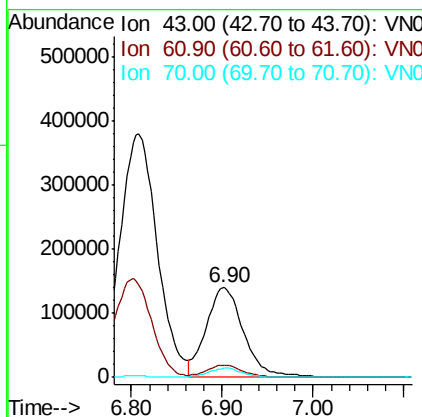
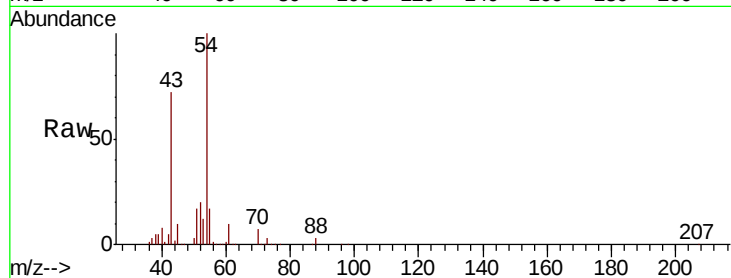
#37
Ethyl Acetate
Concen: 49.202 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.7	7.6	11.4

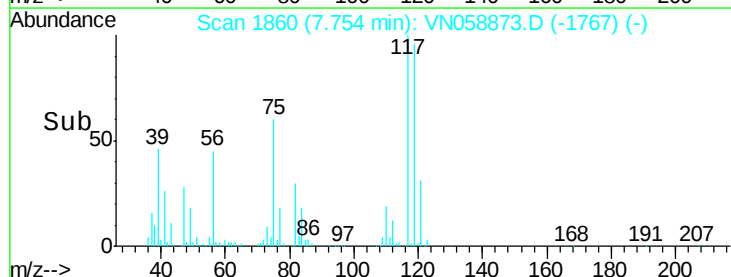
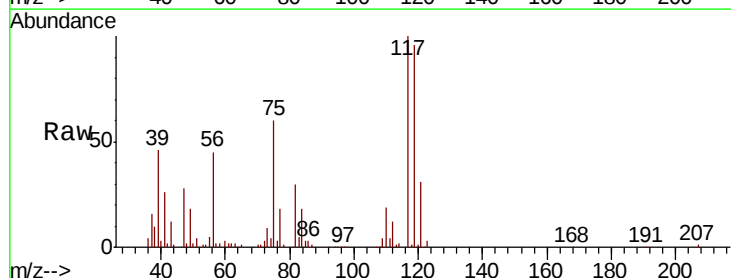
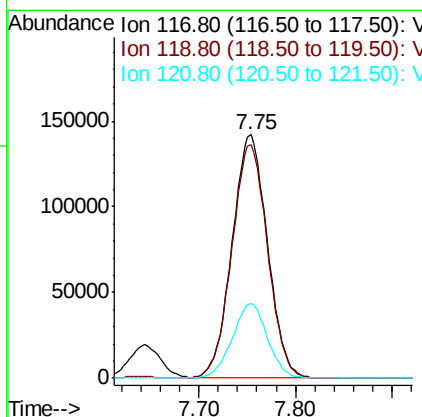
Manual Integrations
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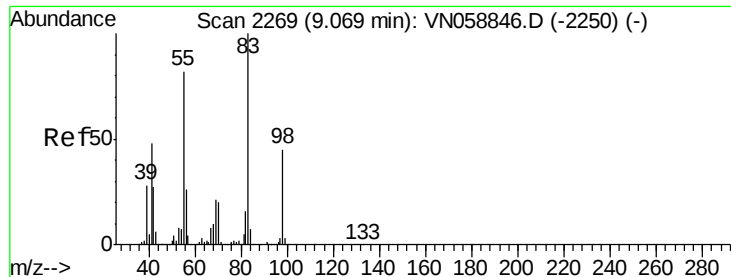
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.707 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	30.8	25.0	37.6





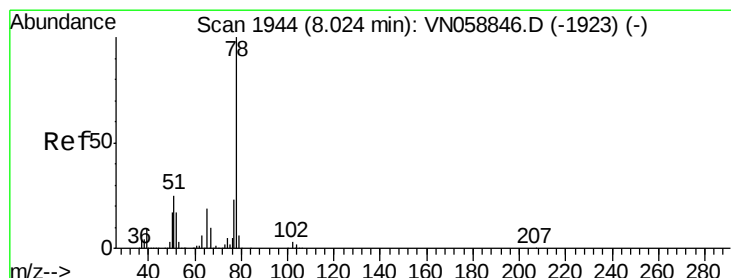
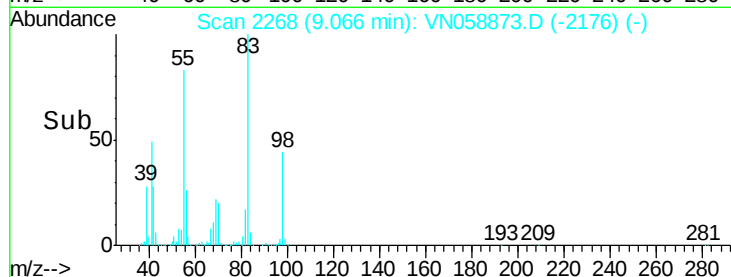
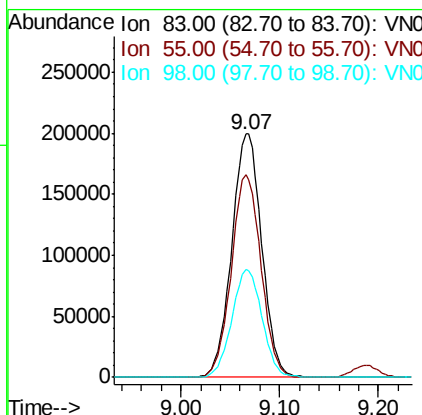
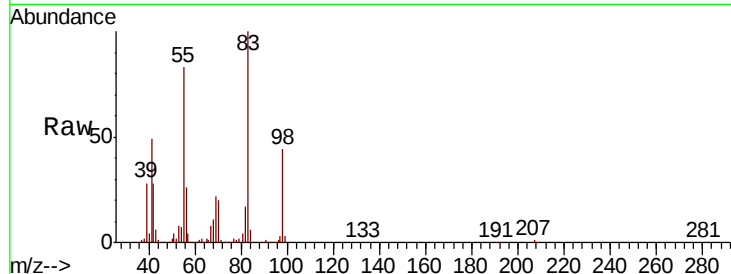
#39
Methvlcvclohexane
Concen: 51.111 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.4	65.5	98.3
98	44.2	35.7	53.5

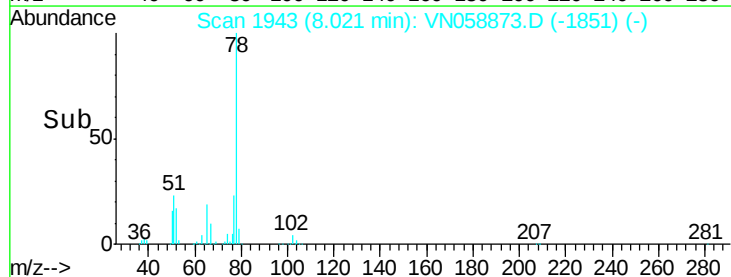
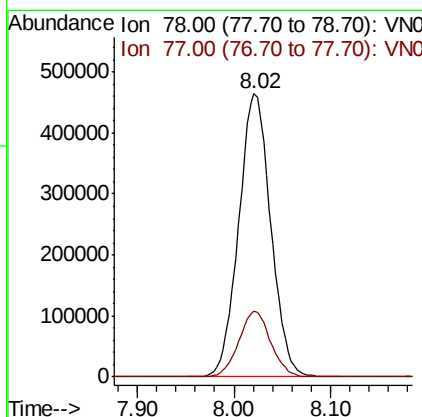
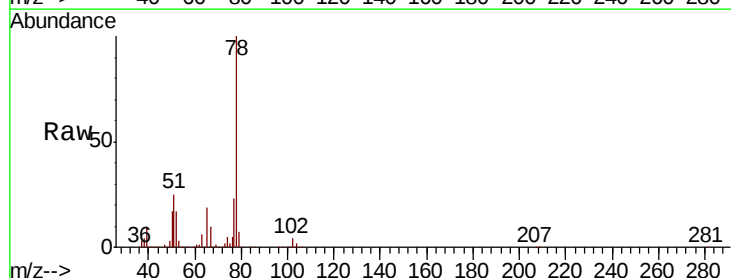
Manual Integrations
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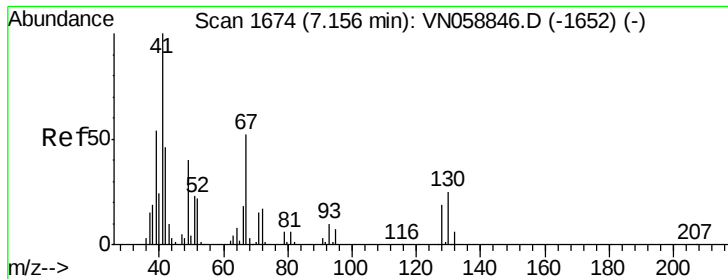
MMDadoda
10/22/2019 4:55:11 PM



#40
Benzene
Concen: 49.559 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2





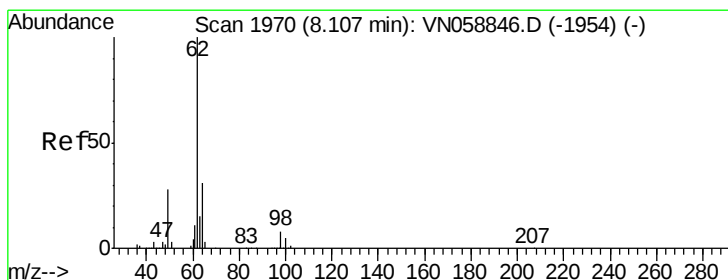
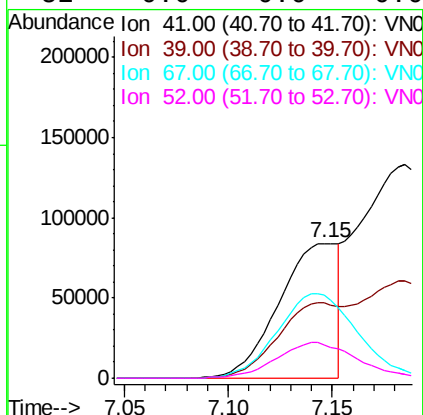
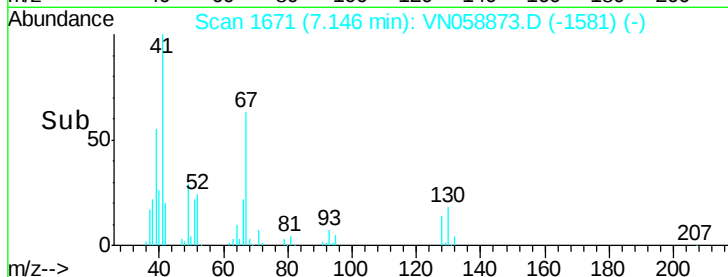
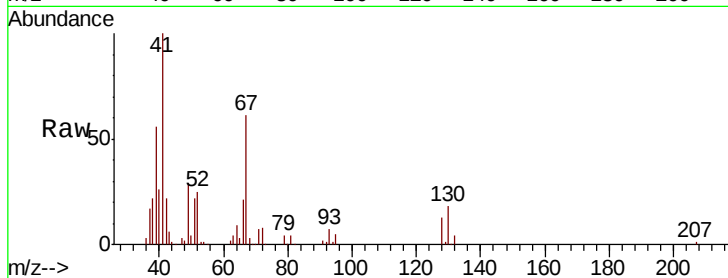
#41
Methacrylonitrile
Concen: 46.503 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		165774		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

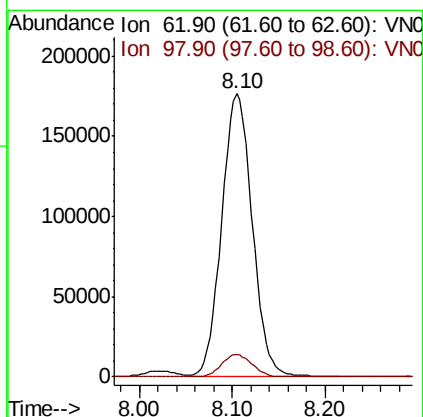
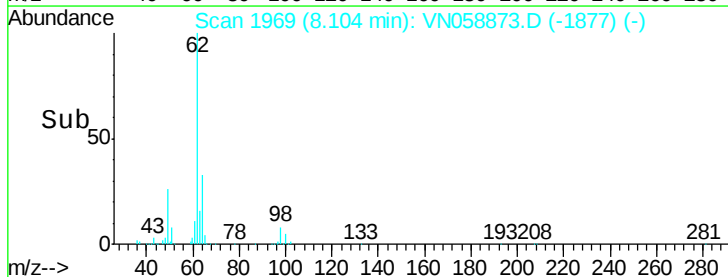
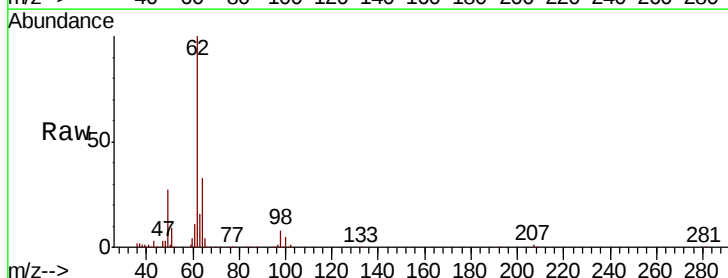
Manual Integrations
APPROVED

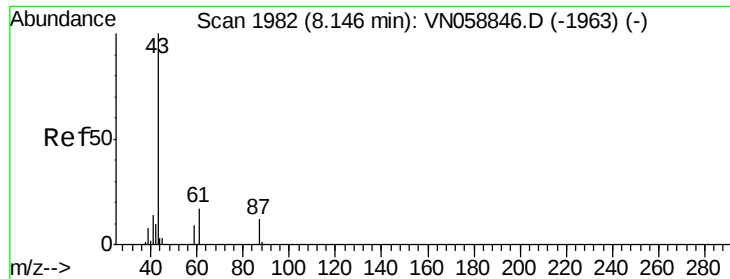
MMDadoda
10/22/2019 4:55:11 PM



#42
1,2-Dichloroethane
Concen: 48.535 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		403289		
98	8.0	0.0	16.2		





#43

Isopropyl Acetate

Concen: 49.624 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

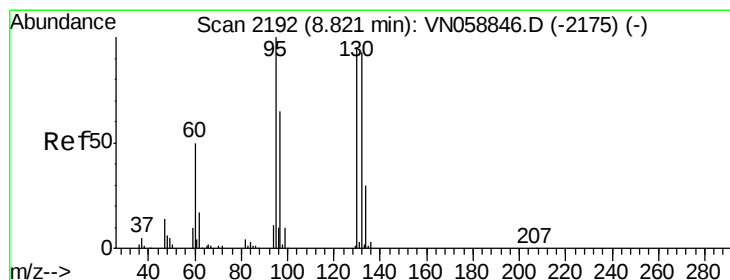
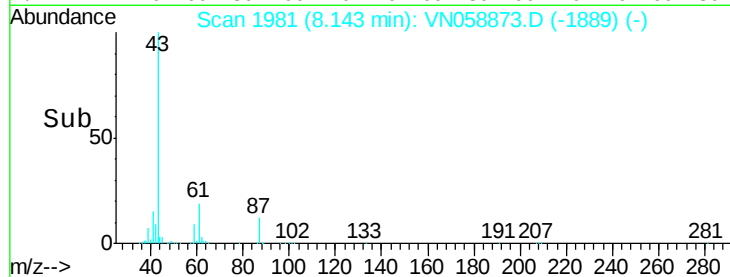
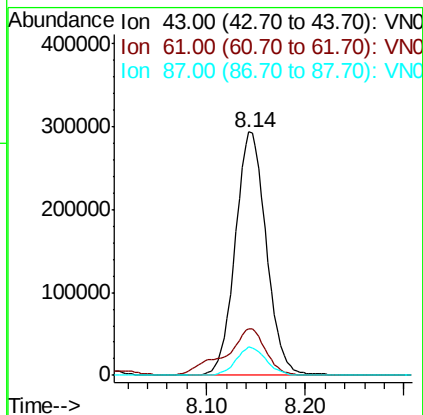
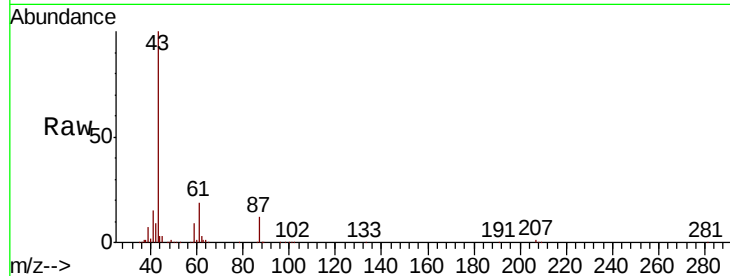
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	637011
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.2	30.2
87	11.5	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 49.311 ug/l

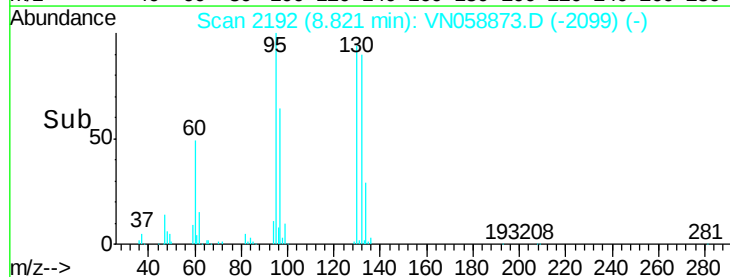
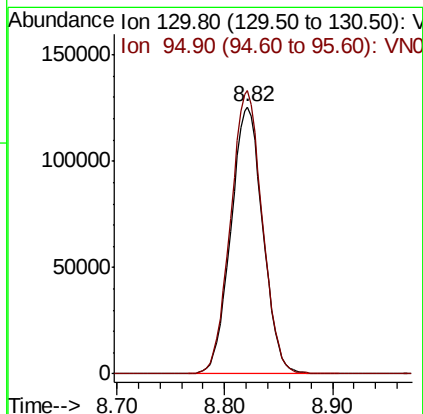
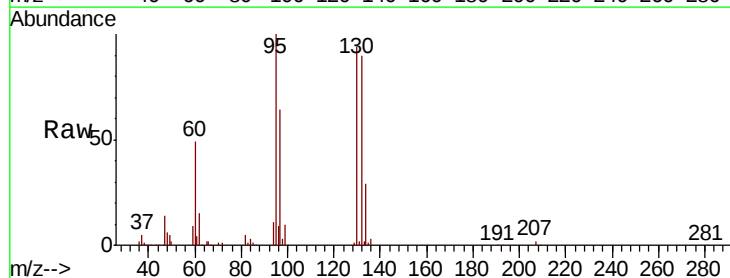
RT: 8.82 min Scan# 2192

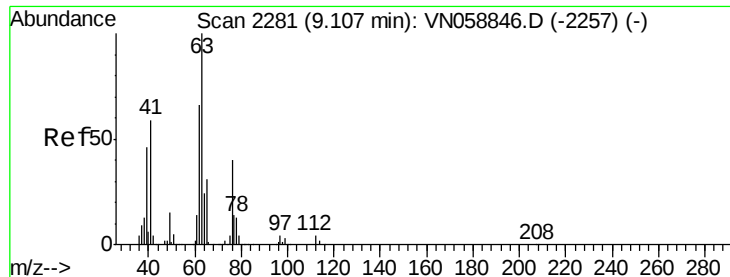
Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion:	130	Resp:	259108
Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	209.6





#45

1,2-Dichloropropane

Concen: 50.202 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 296942

Ion Ratio Lower Upper

63 100

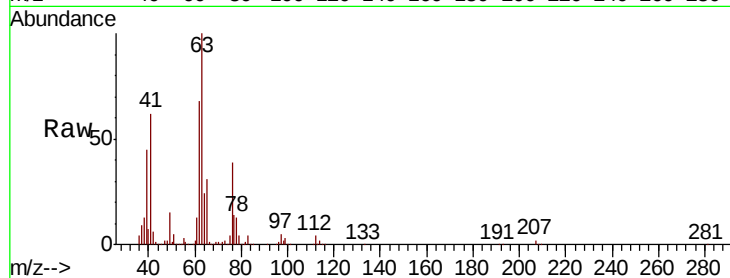
65 30.7 24.5 36.7

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

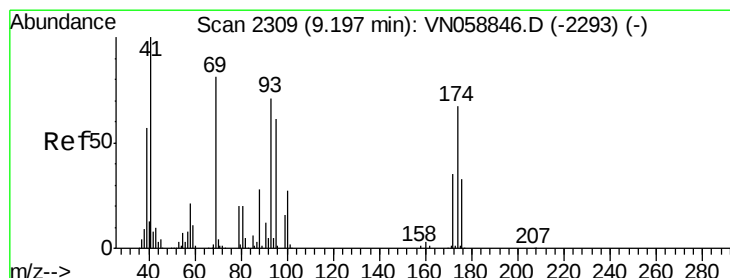
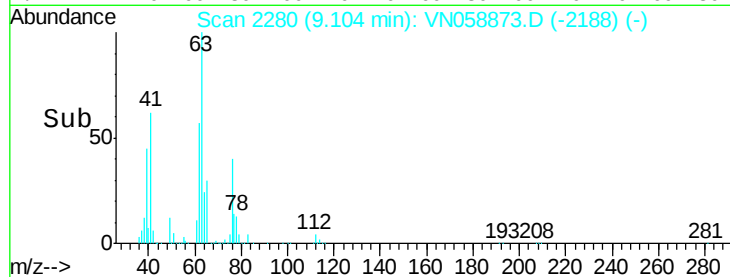
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 48.529 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

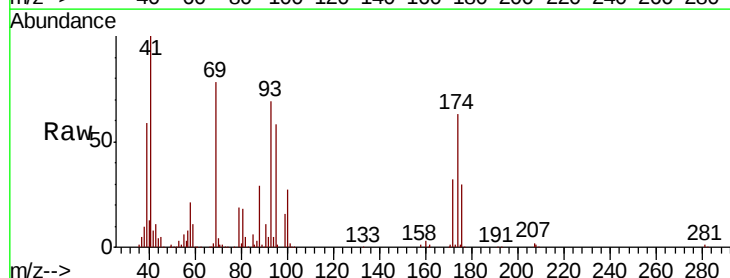
Tgt Ion: 93 Resp: 181465

Ion Ratio Lower Upper

93 100

95 83.5 67.6 101.4

174 91.7 74.1 111.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.19

120000

100000

80000

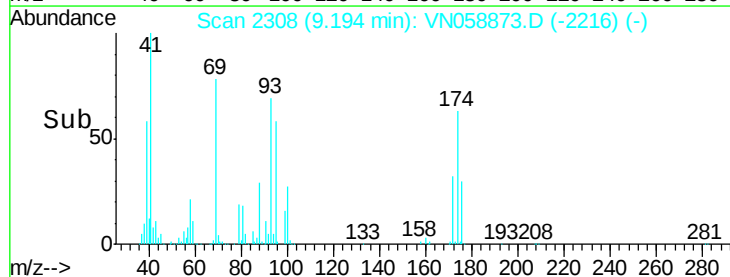
60000

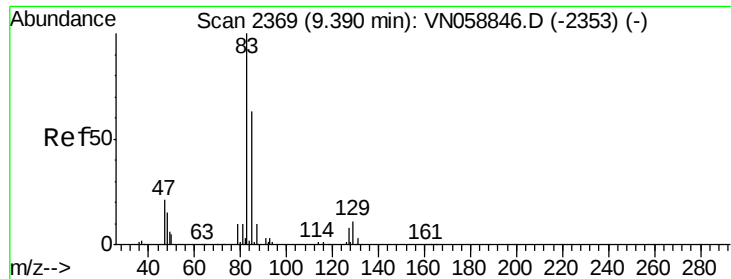
40000

20000

0

Time-->





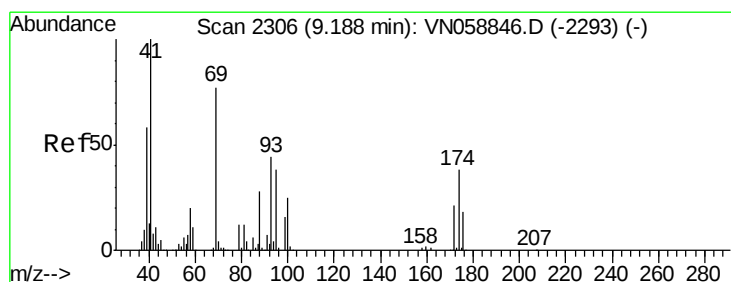
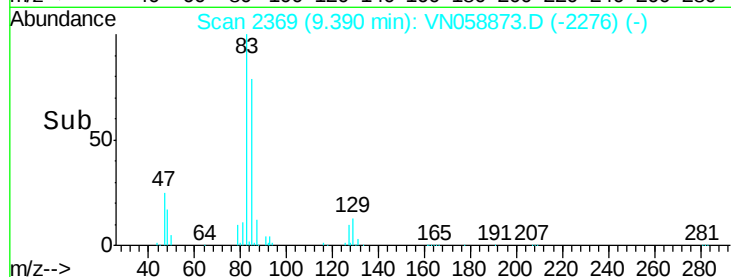
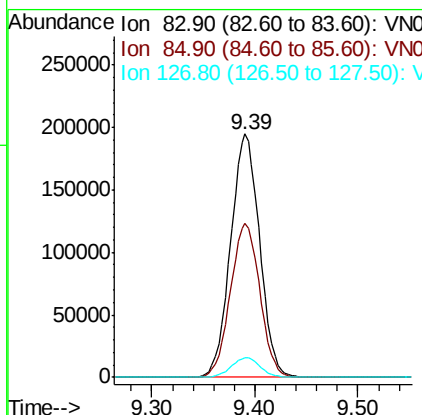
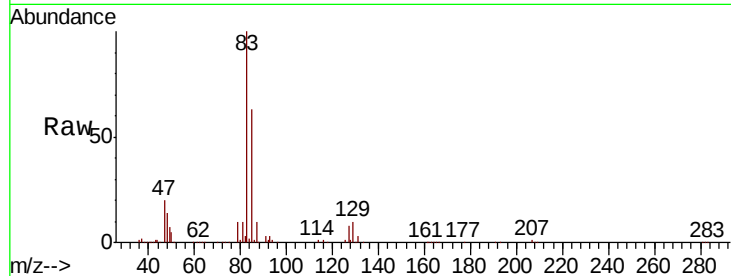
#47
Bromodichloromethane
Concen: 49.446 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	381076
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.6	75.8
127	7.9	6.5	9.7

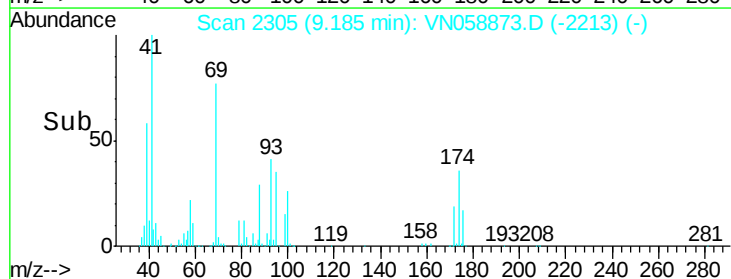
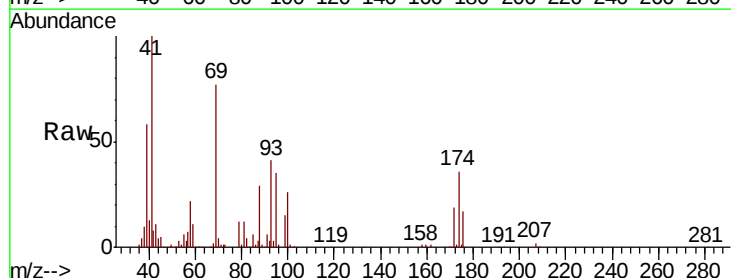
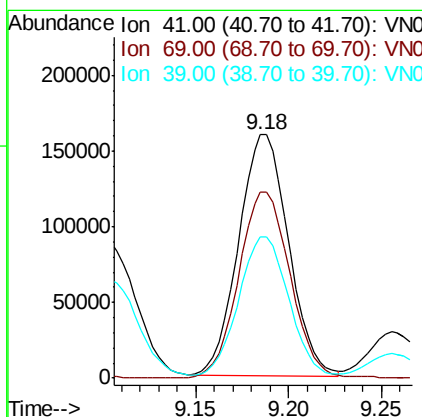
Manual Integrations
APPROVED

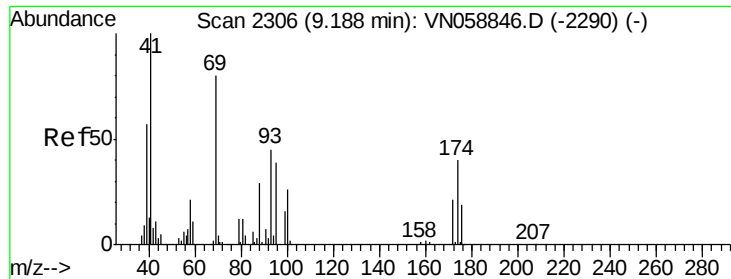
MMDadoda
10/22/2019 4:55:11 PM



#48
Methyl methacrylate
Concen: 50.928 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	41	Resp	296604
Ion Ratio	Lower	Upper	
41	100		
69	79.8	63.8	95.6
39	59.7	47.8	71.8





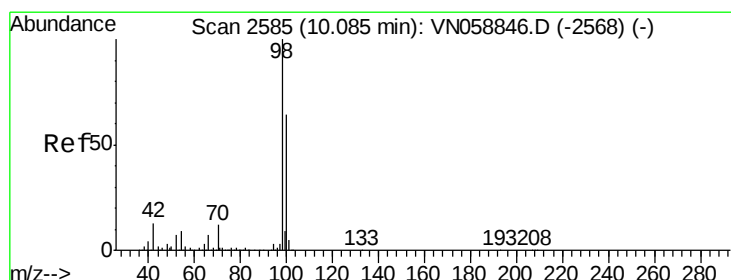
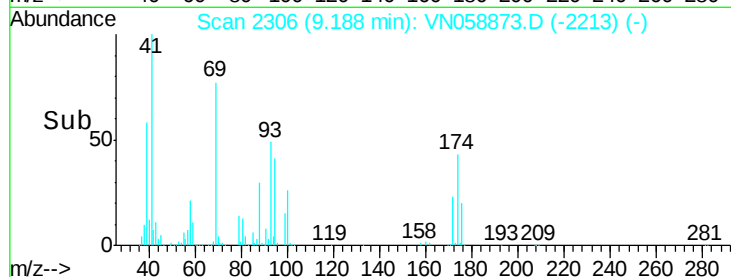
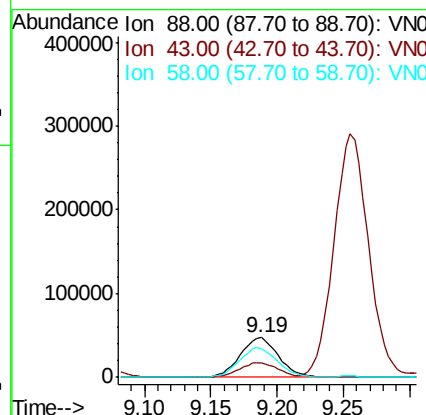
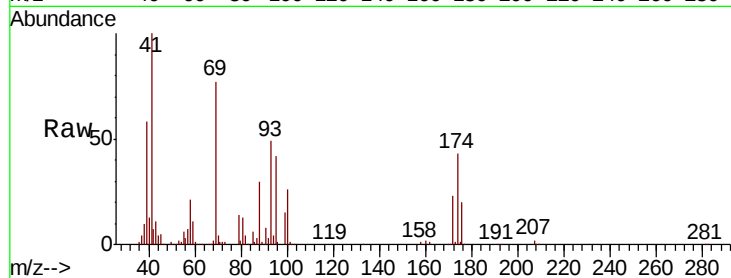
#49
1,4-Dioxane
Concen: 1003.601 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	29.1	43.7
58	73.4	59.4	89.0

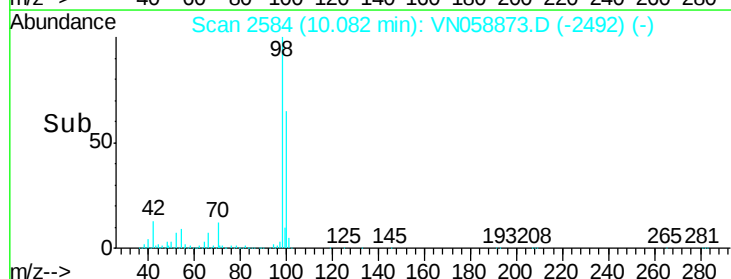
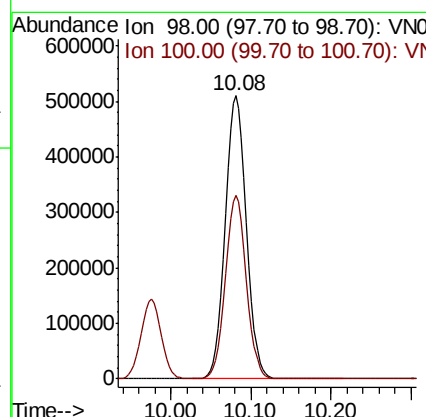
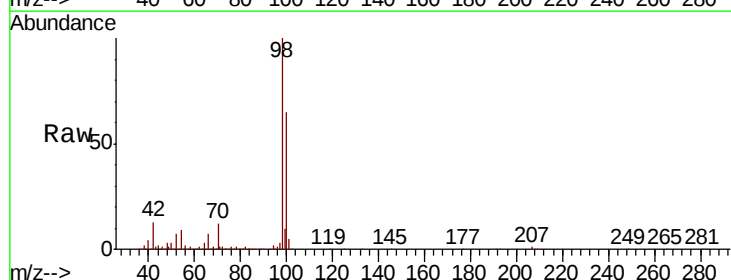
Manual Integrations
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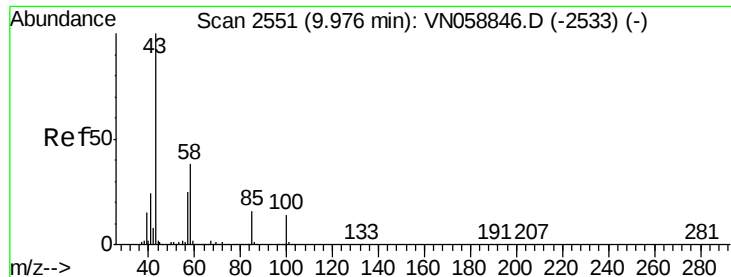
MMDadoda
10/22/2019 4:55:11 PM



#50
Toluene-d8
Concen: 50.920 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 262.869 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1970942

Ion Ratio Lower Upper

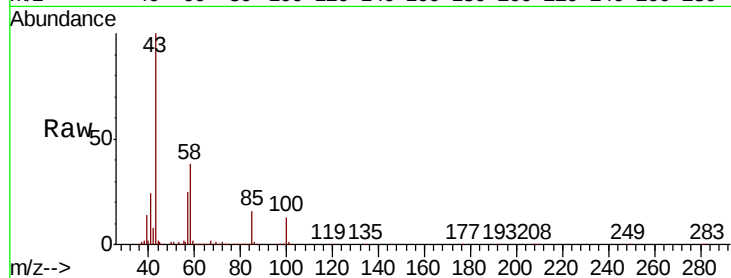
43 100

58 37.7 29.9 44.9

Manual Integrations
APPROVED

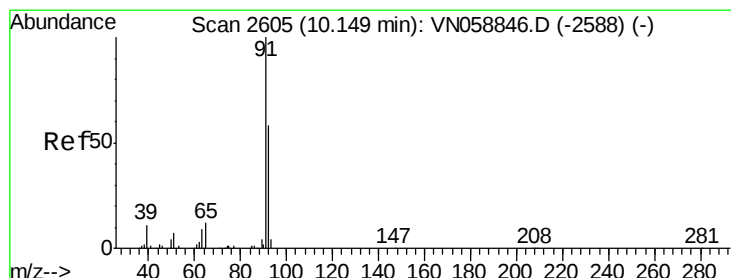
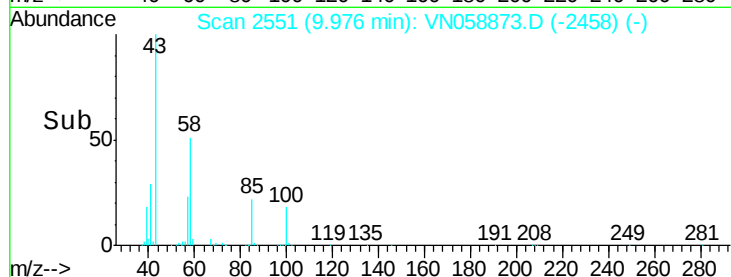
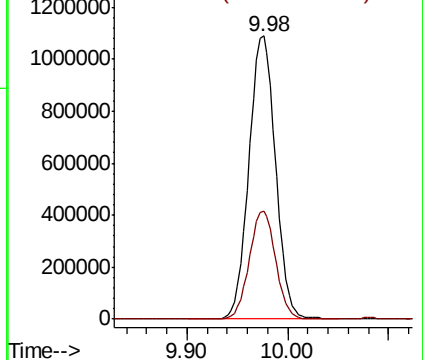
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.765 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN058873.D

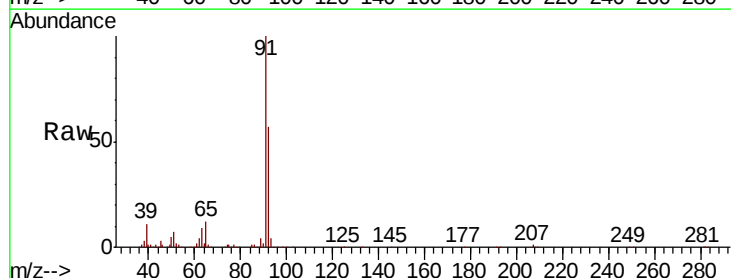
Acq: 21 Oct 2019 9:03

Tgt Ion: 92 Resp: 662160

Ion Ratio Lower Upper

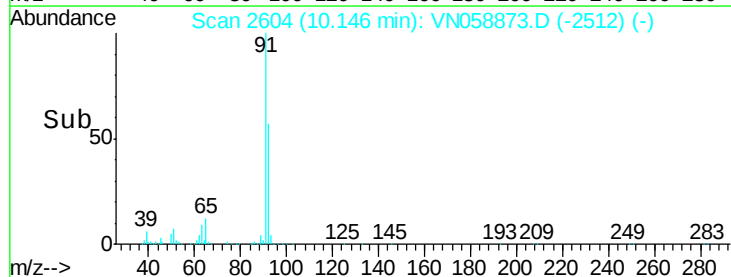
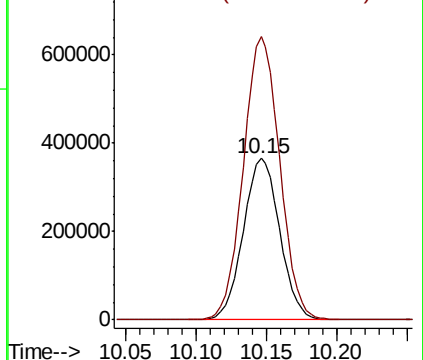
92 100

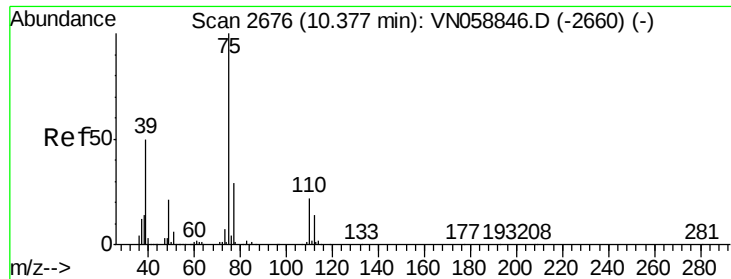
91 175.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





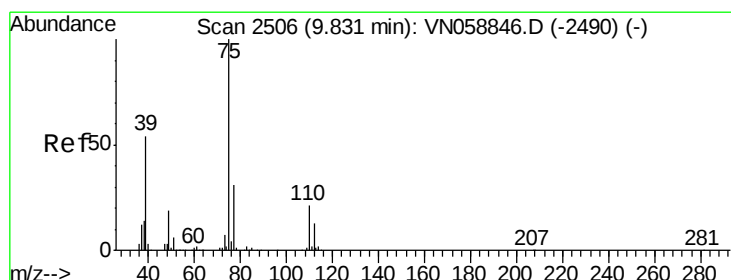
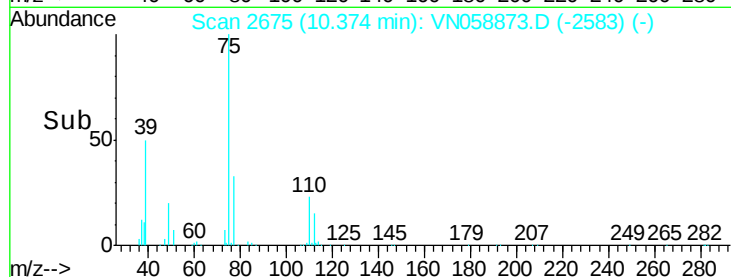
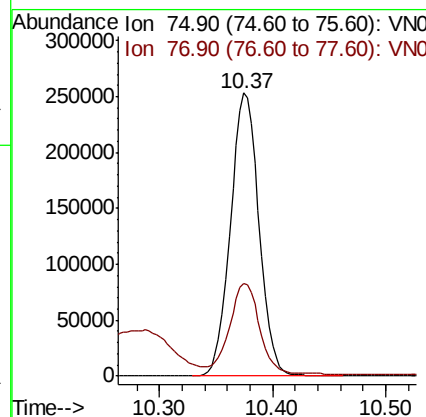
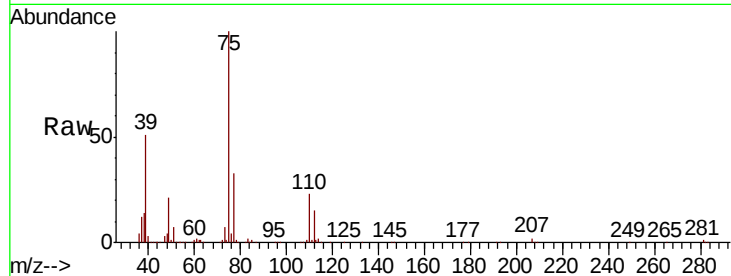
#53
t-1,3-Dichloropropene
Concen: 51.765 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 441644
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

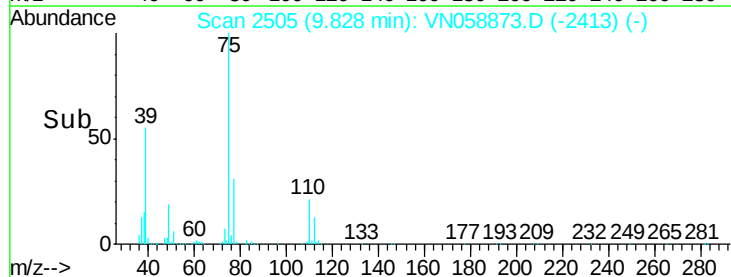
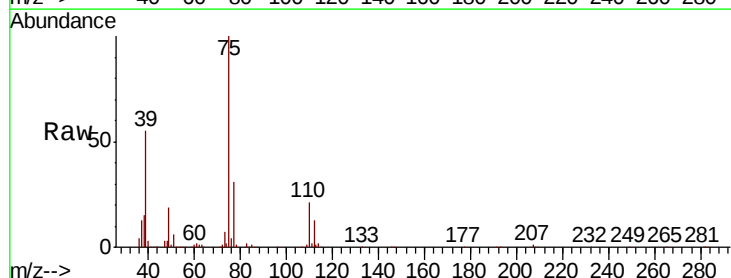
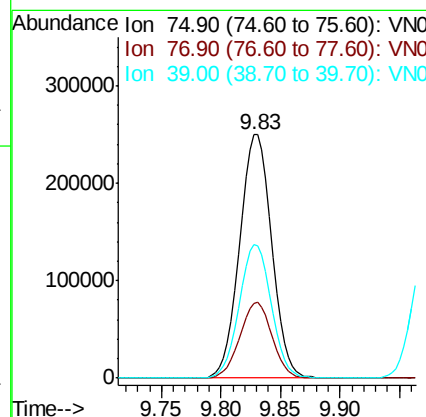
Manual Integrations
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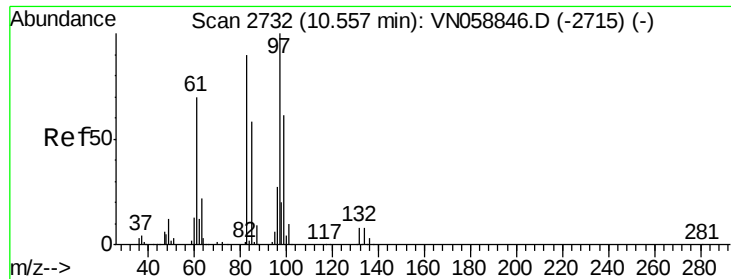
MMDadoda
10/22/2019 4:55:11 PM



#54
cis-1,3-Dichloropropene
Concen: 51.378 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion: 75 Resp: 468316
Ion Ratio Lower Upper
75 100
77 30.7 24.7 37.1
39 54.7 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 48.542 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

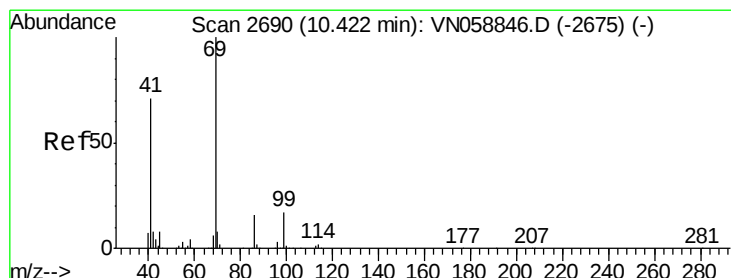
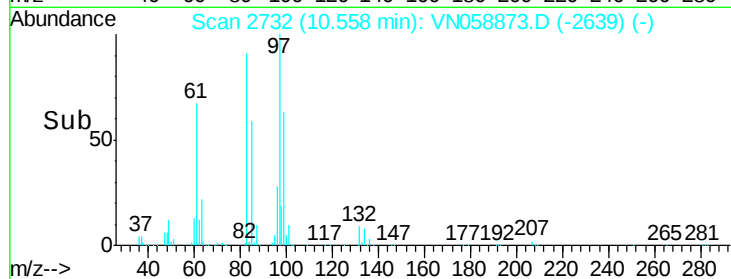
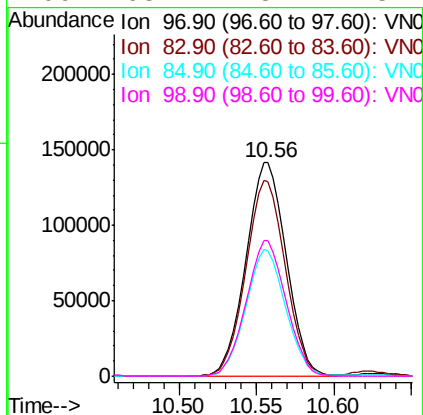
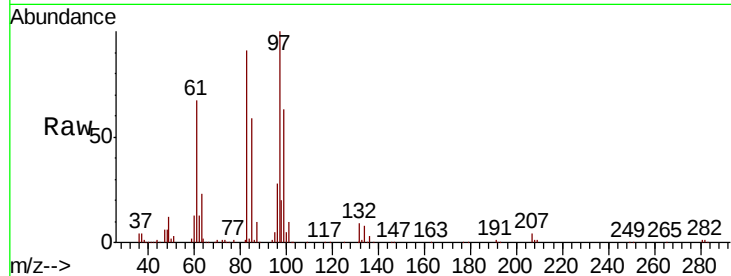
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	255796
Ion	Ratio	Lower	Upper
97	100		
83	91.3	72.2	108.4
85	59.1	46.2	69.2
99	63.4	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.242 ug/l

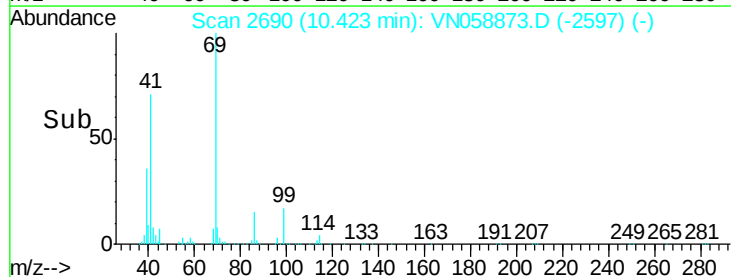
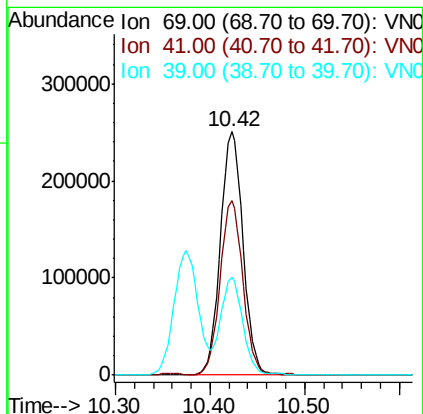
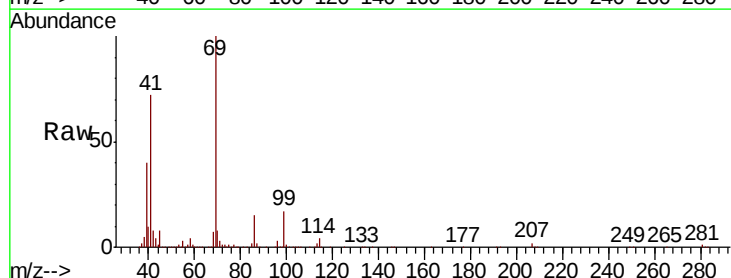
RT: 10.42 min Scan# 2690

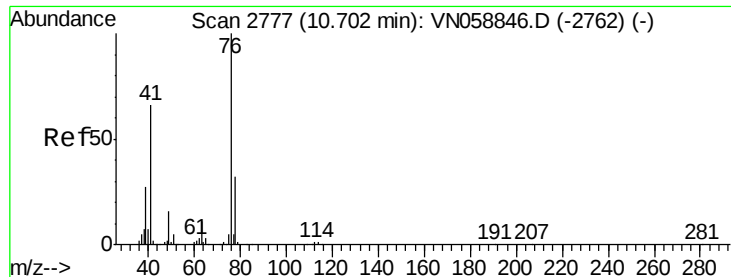
Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion:	69	Resp:	417104
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.2	85.8
39	39.4	31.0	46.4





#57

1,3-Dichloropropane

Concen: 49.905 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 461558

Ion Ratio Lower Upper

76 100

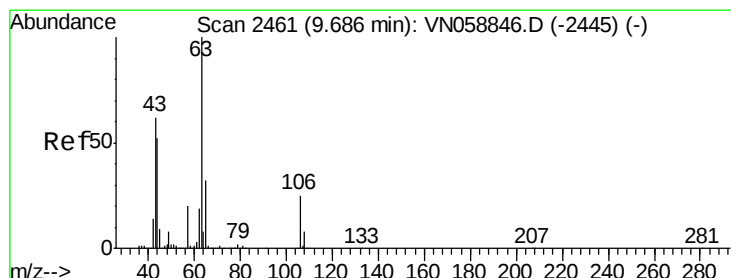
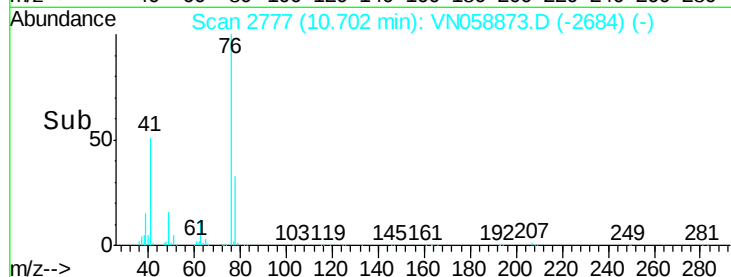
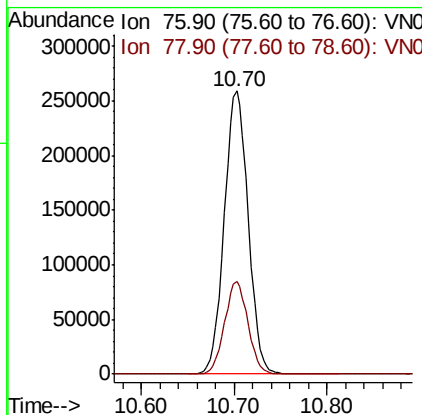
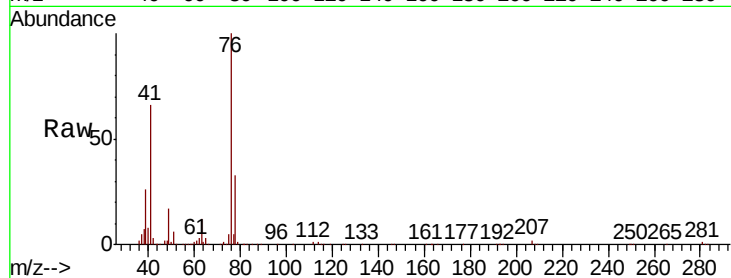
78 32.2 25.4 38.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 244.714 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN058873.D

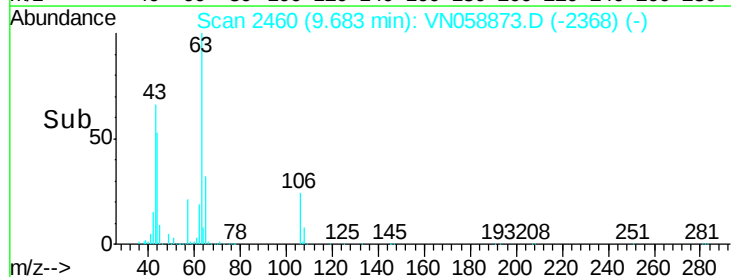
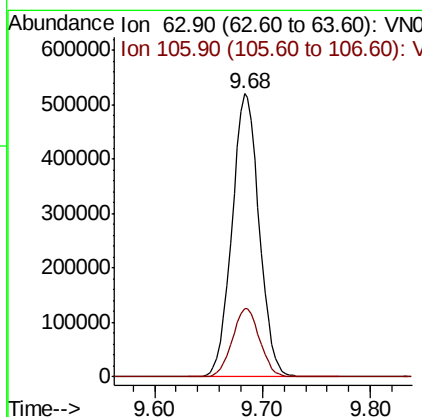
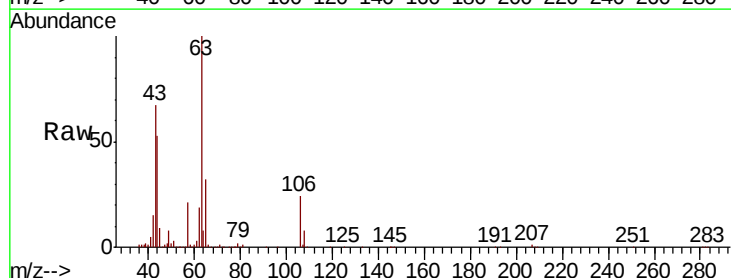
Acq: 21 Oct 2019 9:03

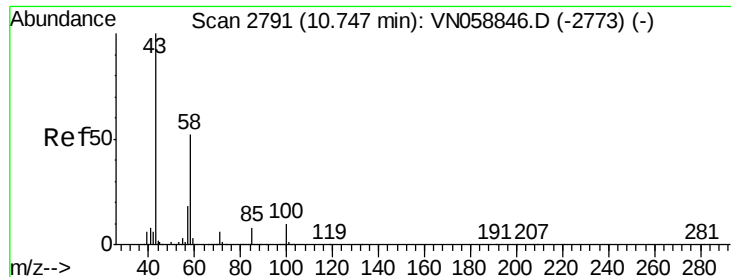
Tgt Ion: 63 Resp: 914242

Ion Ratio Lower Upper

63 100

106 24.3 19.8 29.8





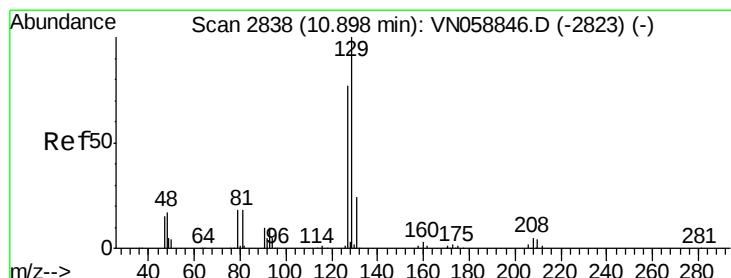
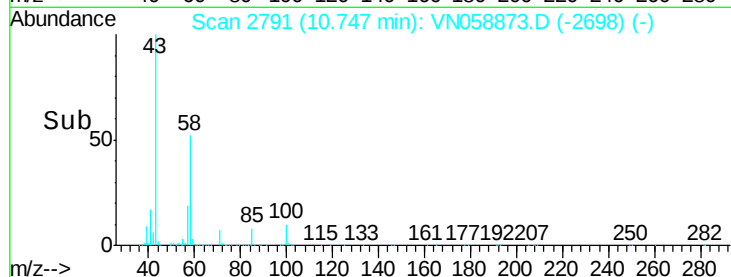
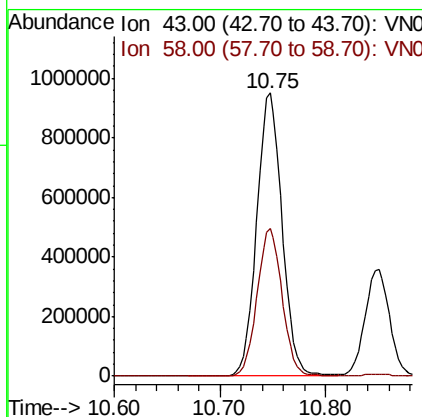
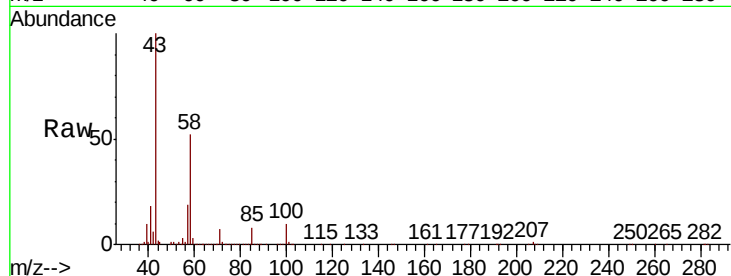
#59
2-Hexanone
Concen: 274.988 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1593227
Ion Ratio Lower Upper
43 100
58 51.8 25.9 77.7

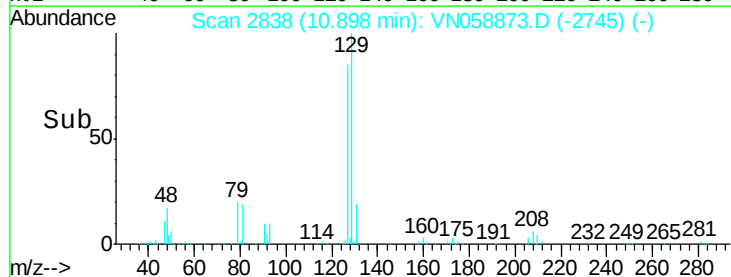
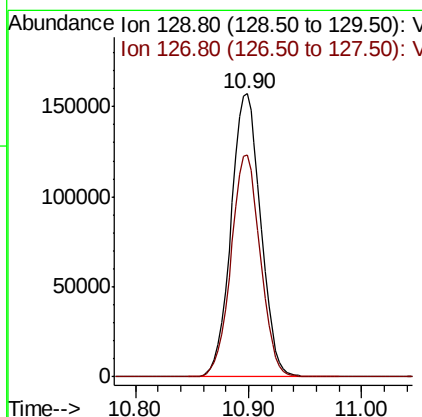
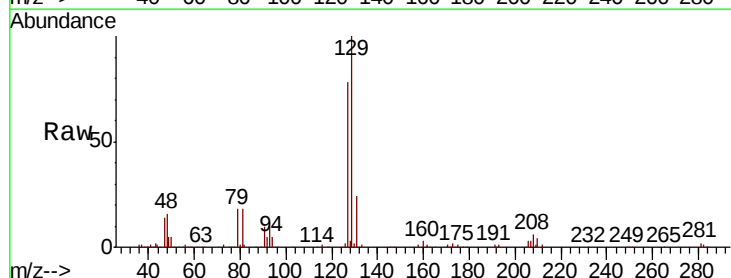
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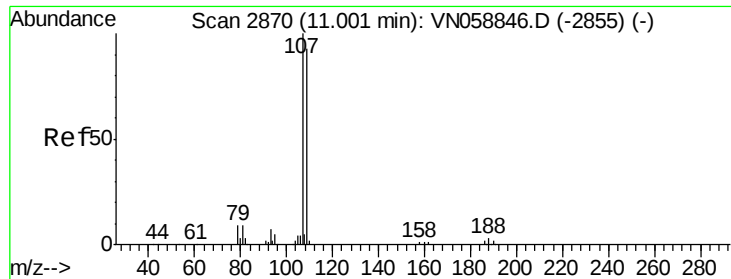
MMDadoda
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#60
Dibromochloromethane
Concen: 50.537 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion: 129 Resp: 286643
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3





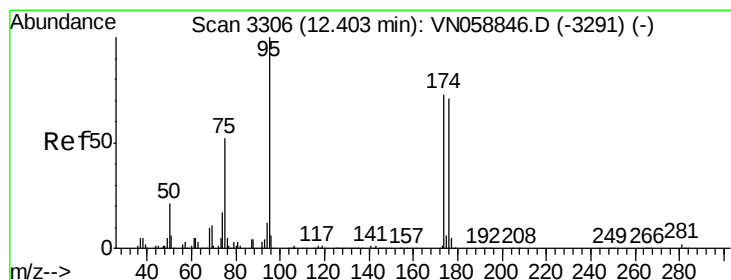
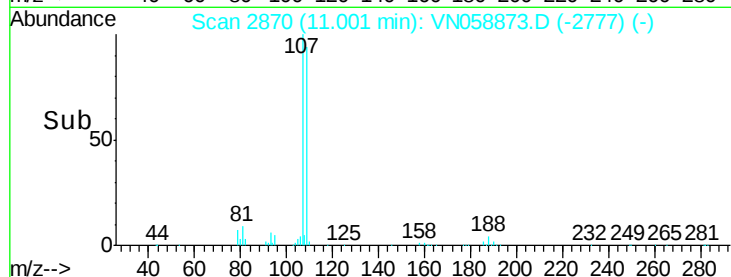
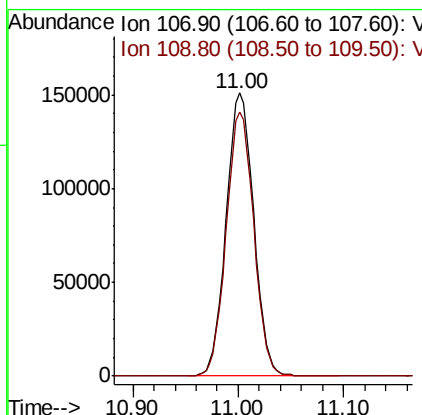
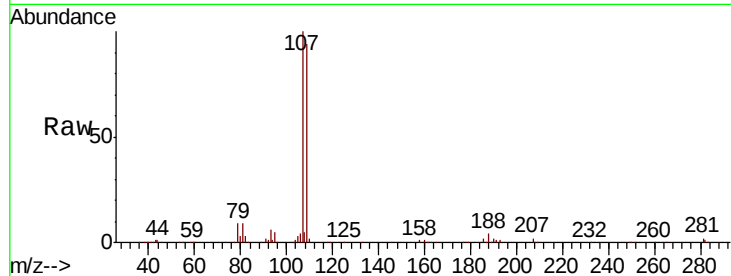
#61
 1,2-Dibromoethane
 Concen: 50.555 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.2	112.8

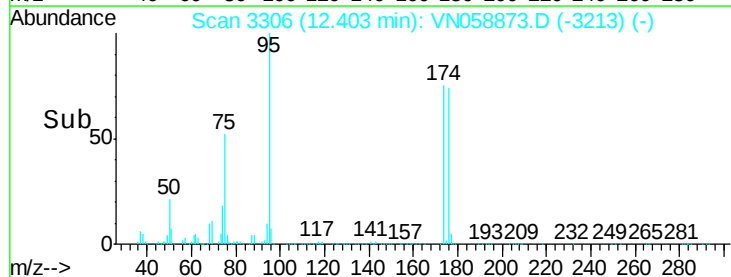
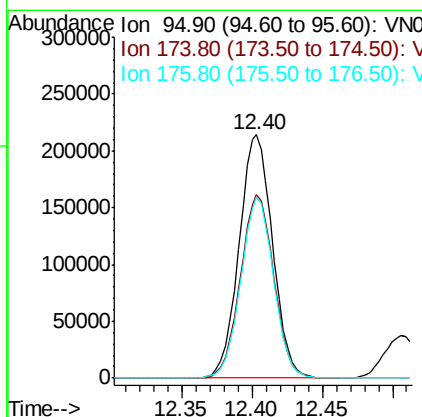
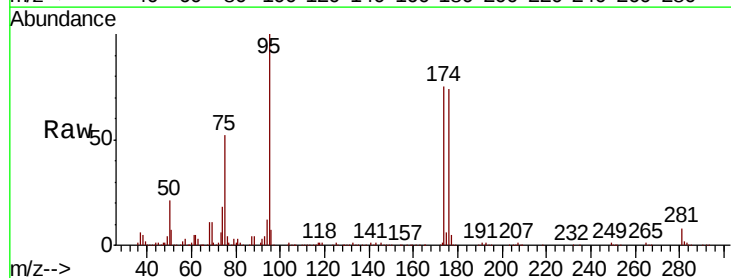
Manual Integrations
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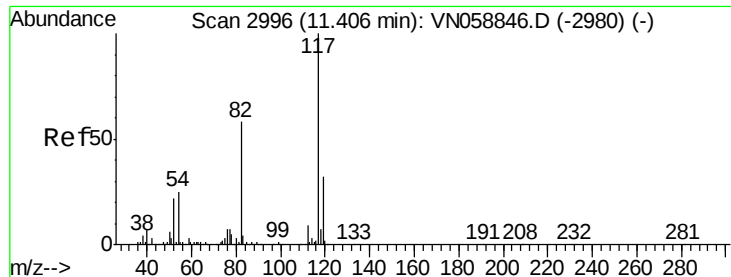
MMDadoda
 10/22/2019 4:55:11 PM



#62
 4-Bromofluorobenzene
 Concen: 52.873 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	147.6
176	72.7	0.0	143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

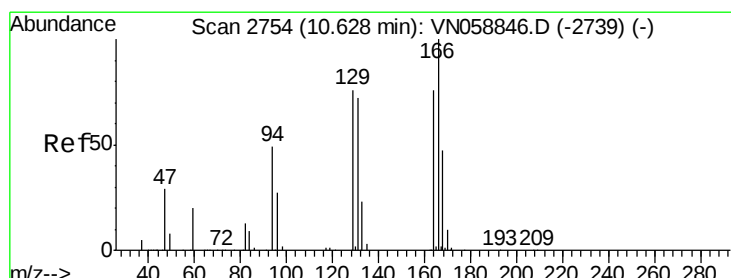
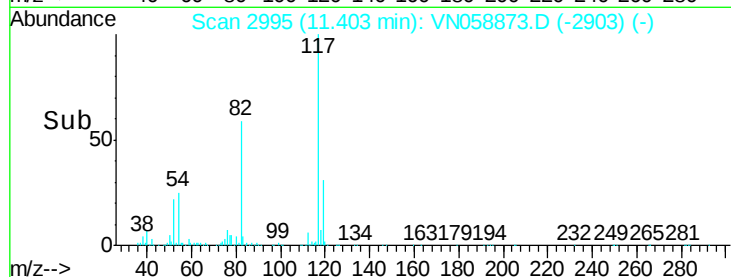
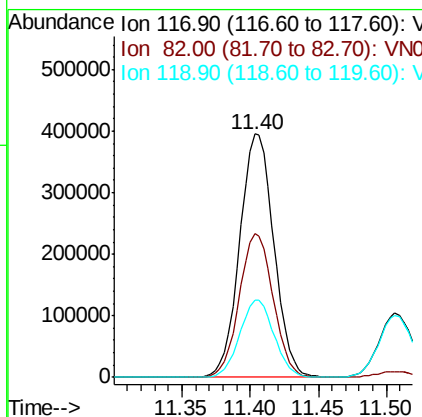
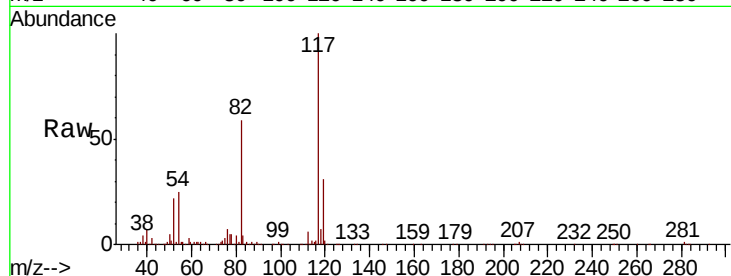
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	687448
Ion Ratio	Lower	Upper	
117	100		
82	58.8	46.6	69.8
119	31.4	25.6	38.4

Manual Integrations
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#64

Tetrachloroethene

Concen: 48.194 ug/l

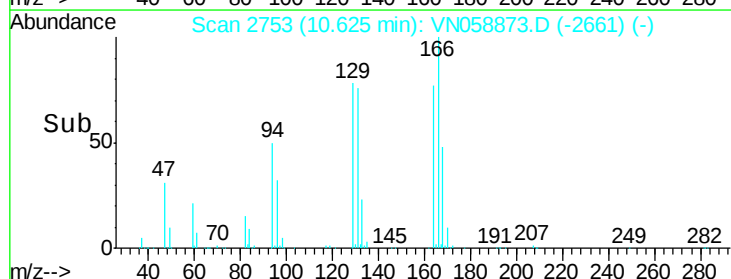
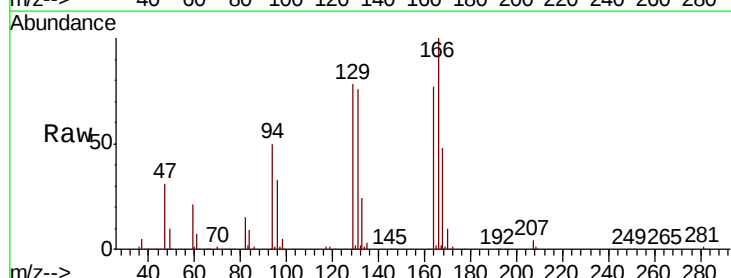
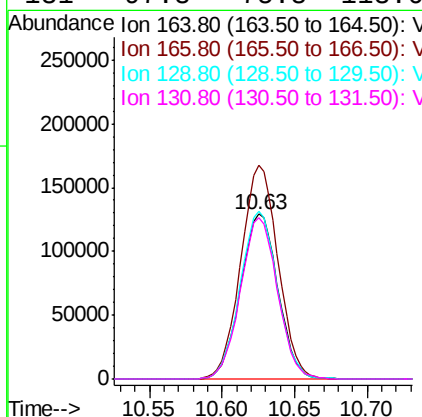
RT: 10.63 min Scan# 2753

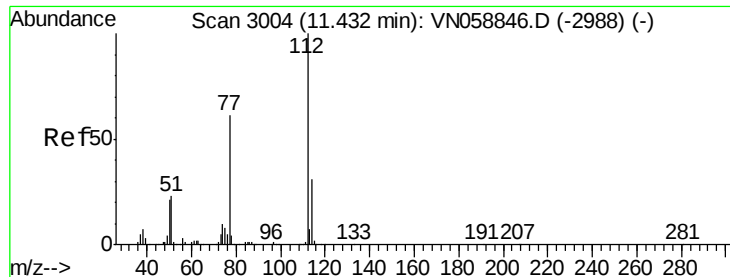
Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion:	164	Resp:	232026
Ion Ratio	Lower	Upper	
164	100		
166	129.7	104.8	157.2
129	101.5	79.3	118.9
131	97.8	75.8	113.6





#65

Chlorobenzene

Concen: 50.217 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 702811

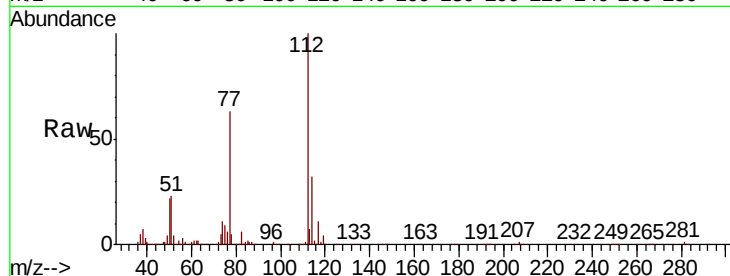
Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

400000

300000

200000

100000

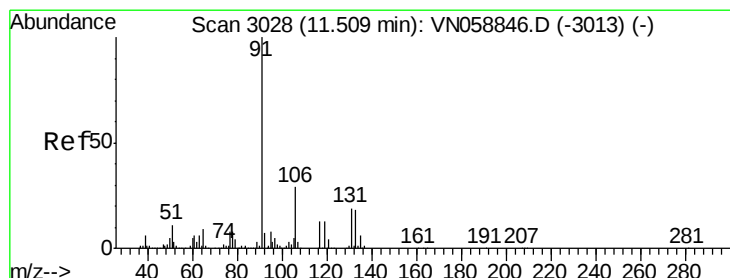
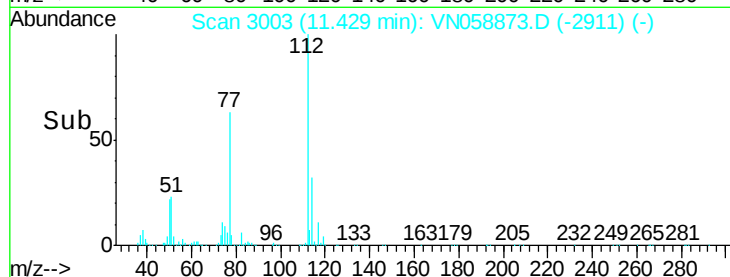
0

11.43

11.40

11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.311 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

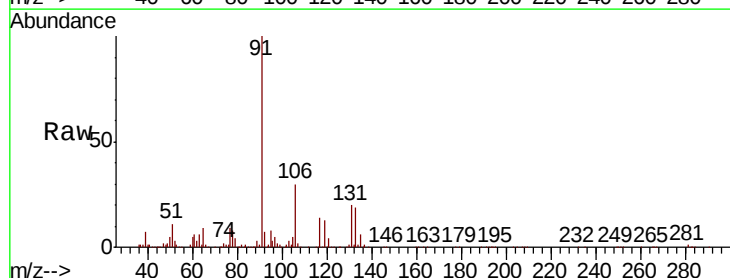
Tgt Ion:131 Resp: 260429

Ion Ratio Lower Upper

131 100

133 97.1 48.4 145.2

119 67.2 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

150000

100000

50000

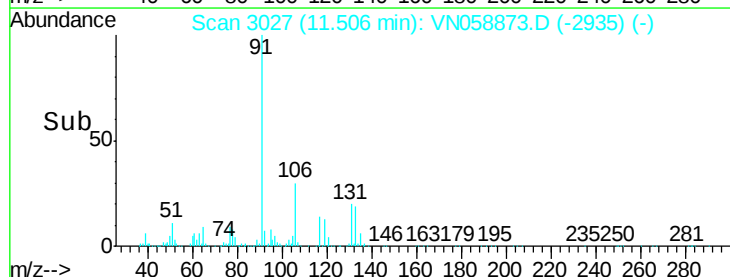
0

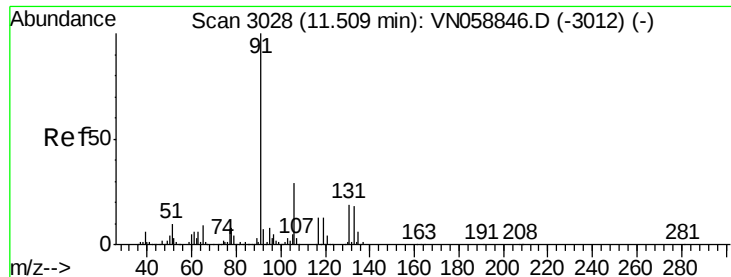
11.51

11.45

11.55

Time-->





#67

Ethyl Benzene

Concen: 53.787 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1320536

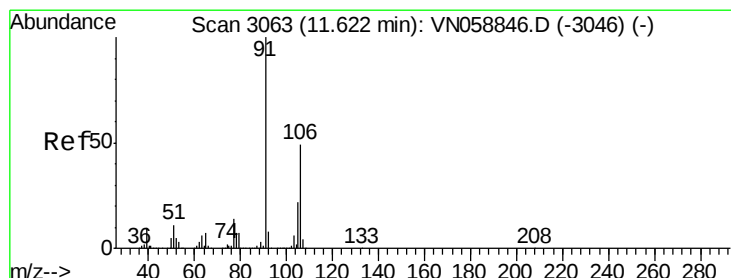
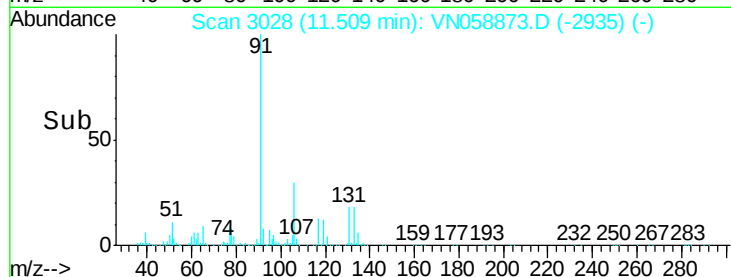
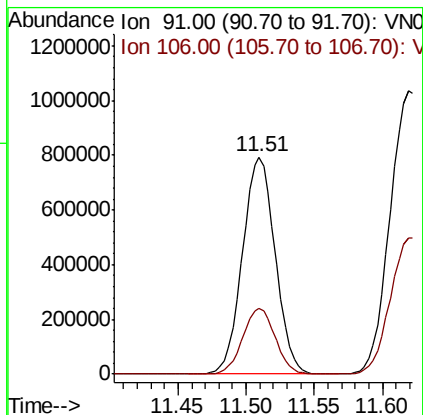
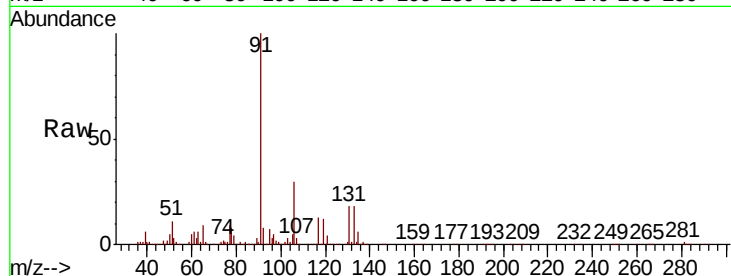
Ion Ratio Lower Upper

91 100

106 30.3 23.4 35.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 106.445 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058873.D

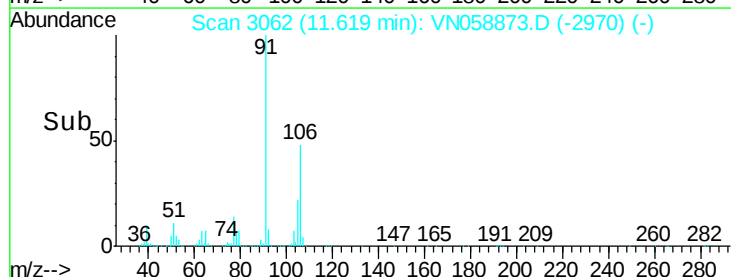
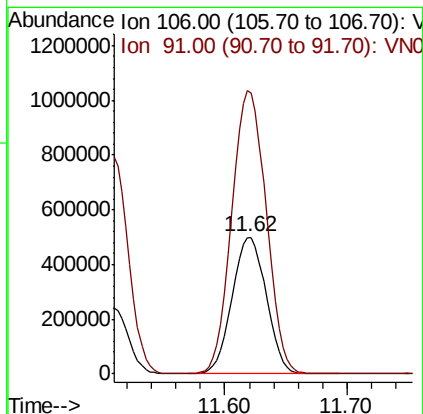
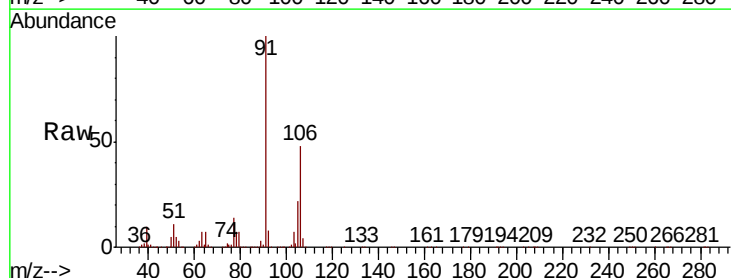
Acq: 21 Oct 2019 9:03

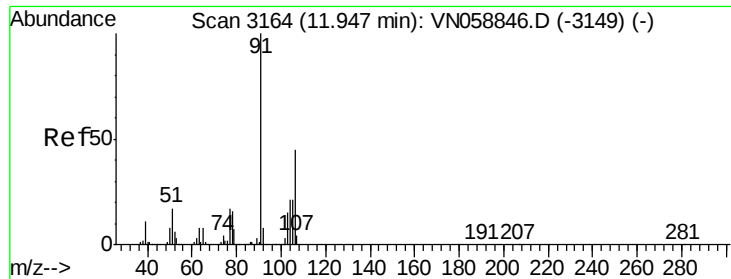
Tgt Ion: 106 Resp: 969164

Ion Ratio Lower Upper

106 100

91 208.9 166.6 249.8





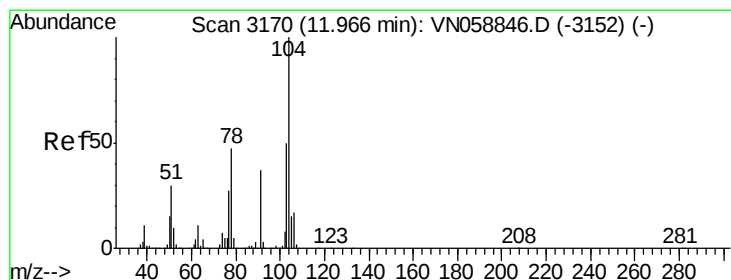
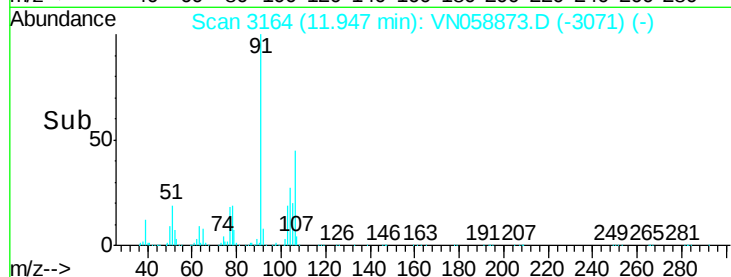
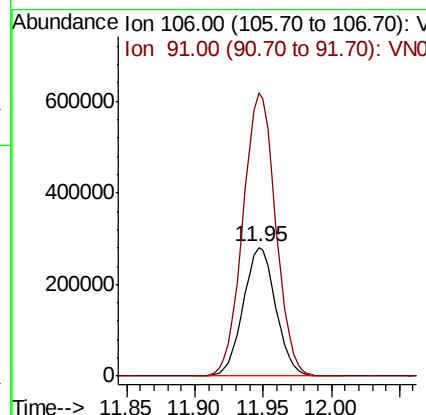
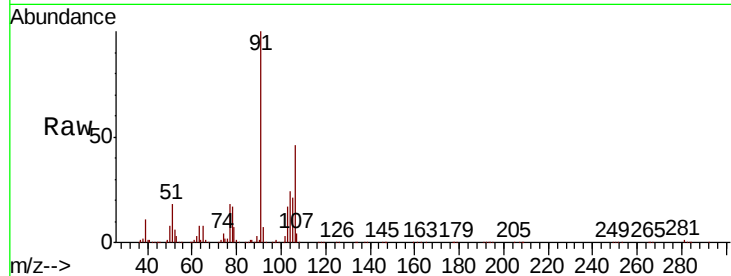
#69
o-Xylene
Concen: 53.585 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.7	111.5	334.4

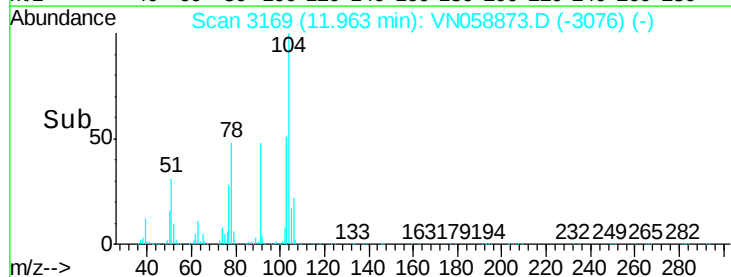
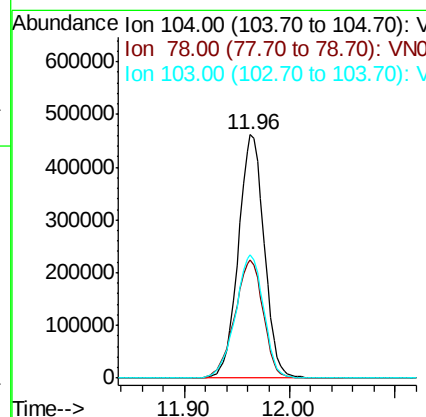
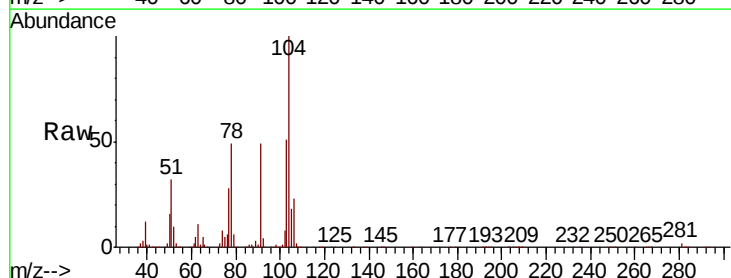
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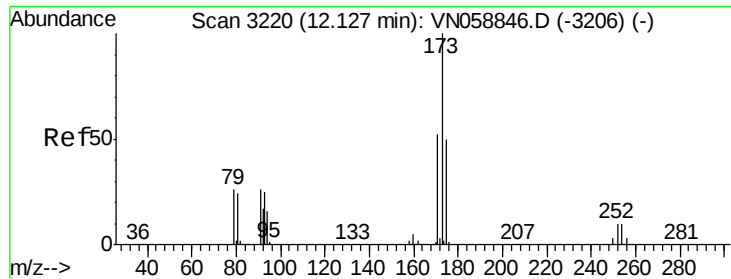
MMDadoda
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#70
Styrene
Concen: 48.958 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.8	64.2
103	54.9	44.3	66.5





#71

Bromoform

Concen: 49.057 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

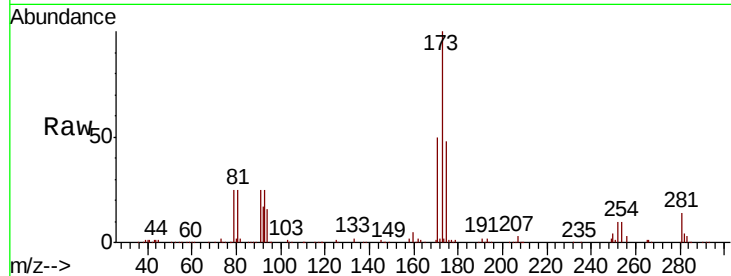
ClientSampleId :

VSTDCCC050

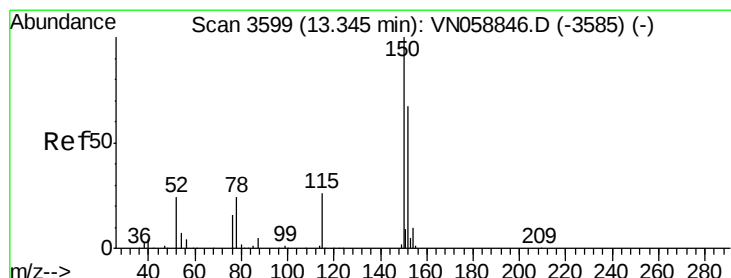
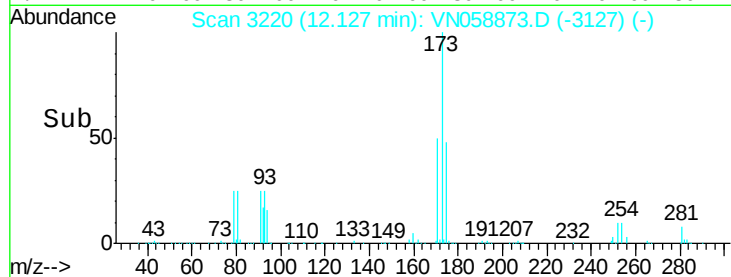
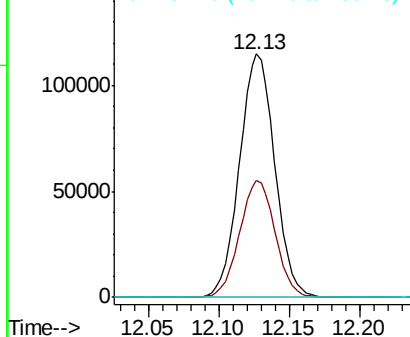
Tot Ion:	173	Resp:	200905
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.7	74.1
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

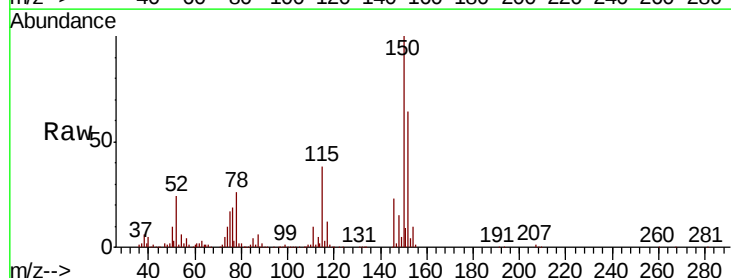
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

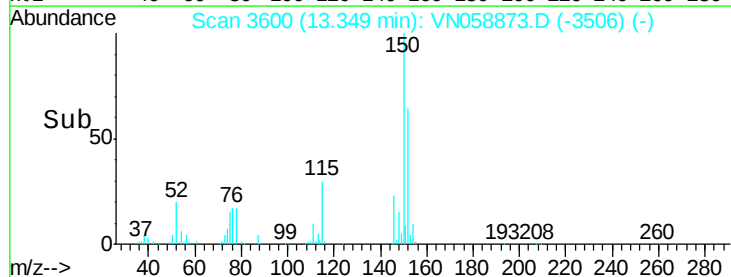
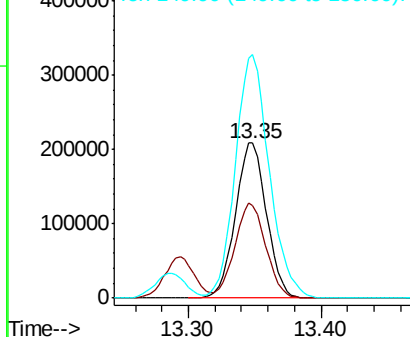
Lab File: VN058873.D

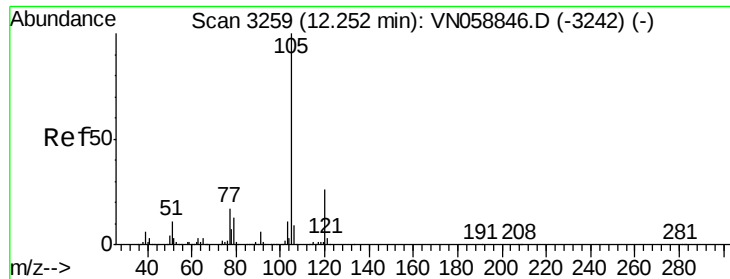
Acq: 21 Oct 2019 9:03

Tgt Ion:	152	Resp:	338212
Ion Ratio	Lower	Upper	
152	100		
115	61.2	30.5	91.5
150	171.9	0.0	344.4



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





#73

Isopropylbenzene

Concen: 51.836 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1281219

Ion Ratio Lower Upper

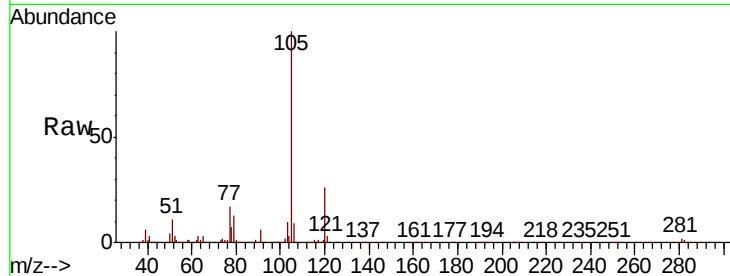
105 100

120 25.9 12.8 38.4

Manual Integrations
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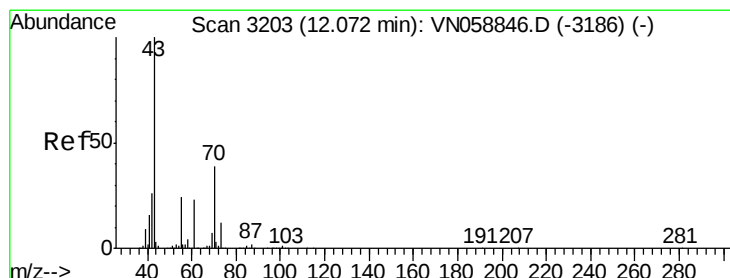
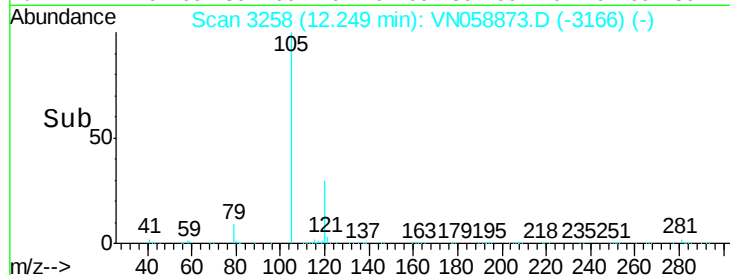
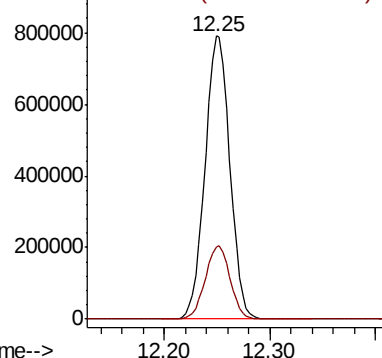
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.425 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion: 43 Resp: 587448

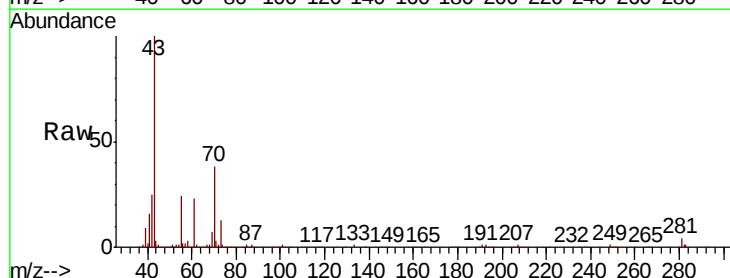
Ion Ratio Lower Upper

43 100

70 38.9 30.9 46.3

55 24.7 19.7 29.5

61 22.8 18.2 27.4

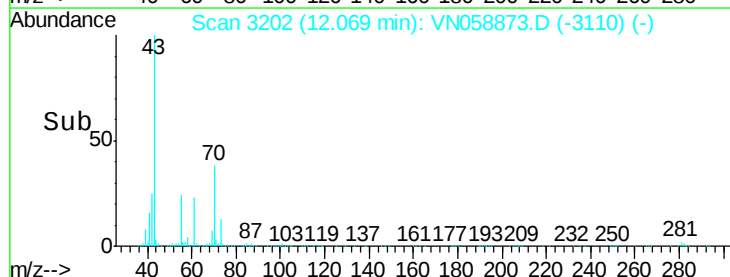
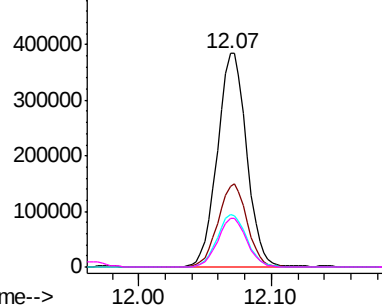


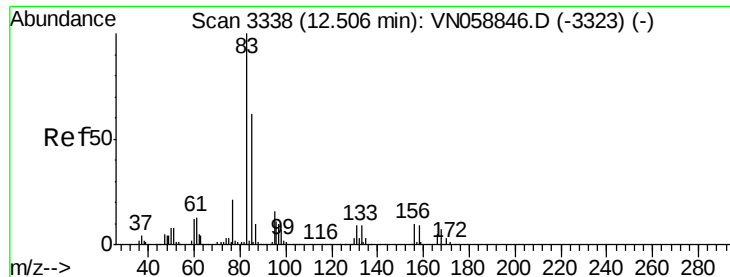
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.239 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 401867
Ion Ratio Lower Upper

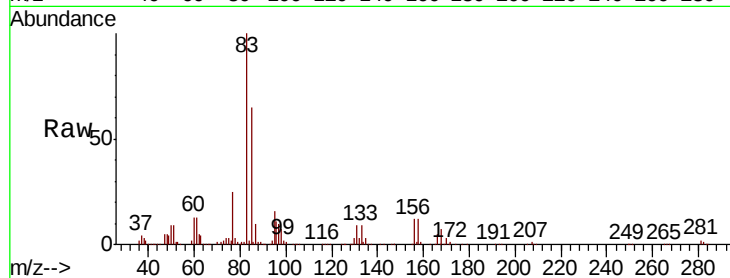
83 100

131 9.9 4.7 14.1

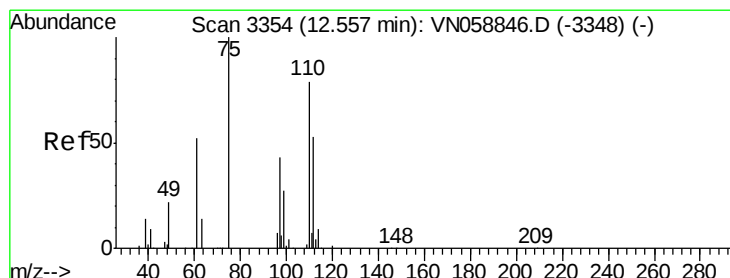
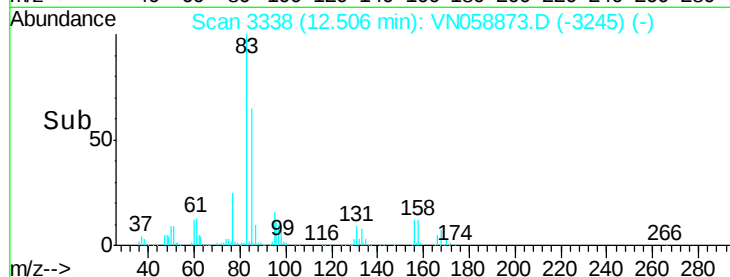
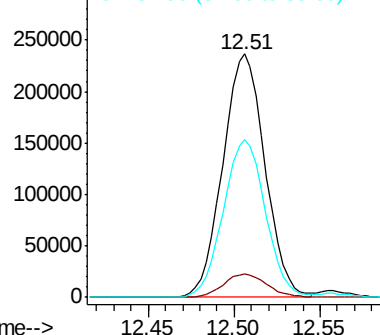
85 64.7 31.7 95.1

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 43.936 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

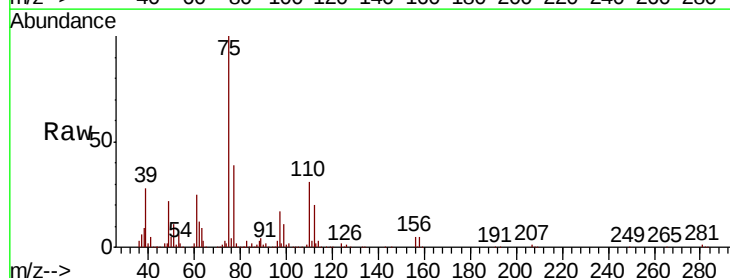
Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

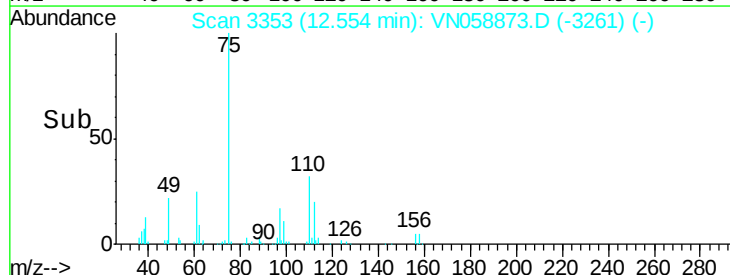
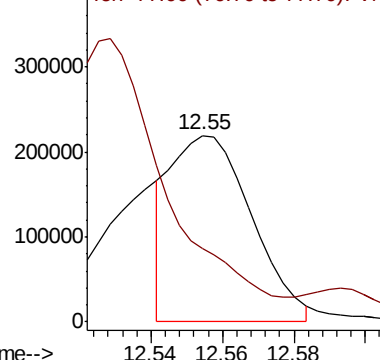
Tgt Ion: 75 Resp: 344391
Ion Ratio Lower Upper

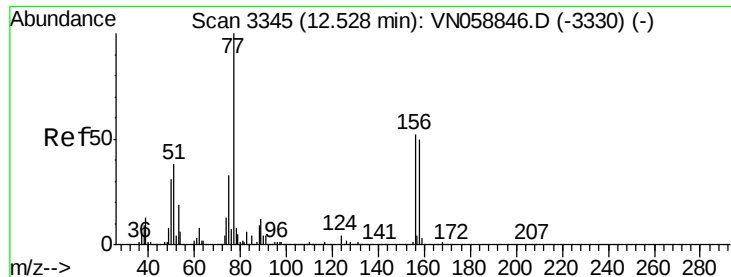
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.067 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

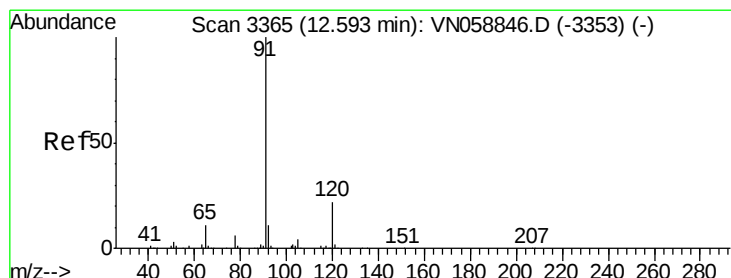
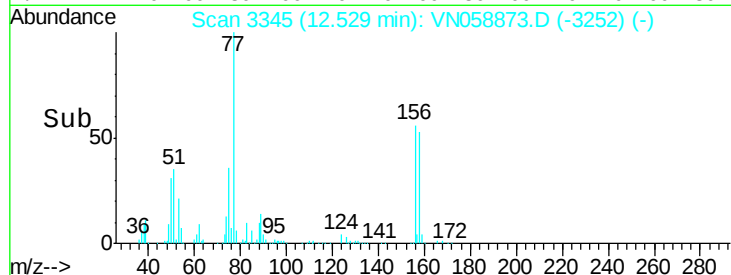
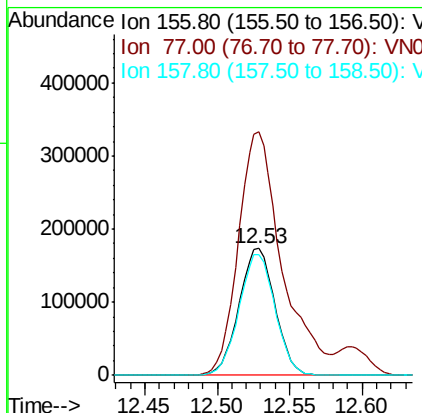
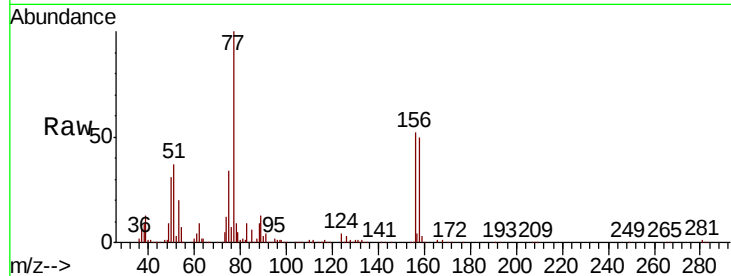
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		298930		
77	231.9		118.0	354.0	
158	95.6		48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 52.657 ug/l

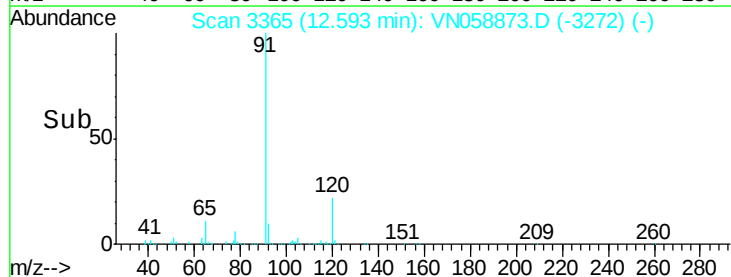
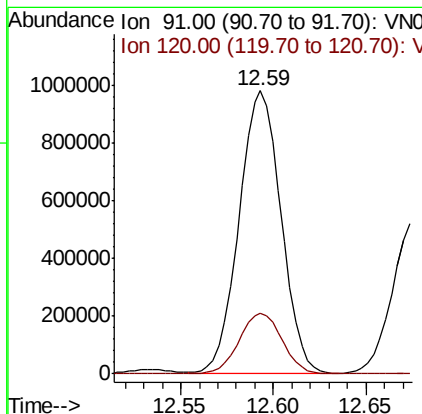
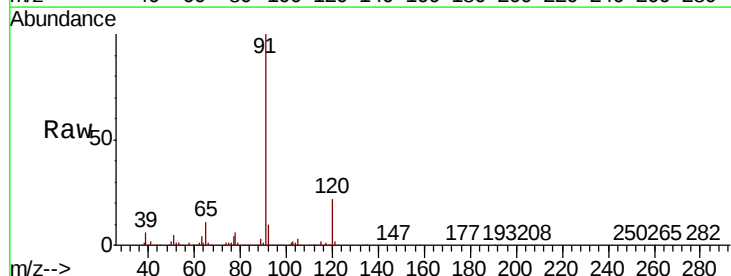
RT: 12.59 min Scan# 3365

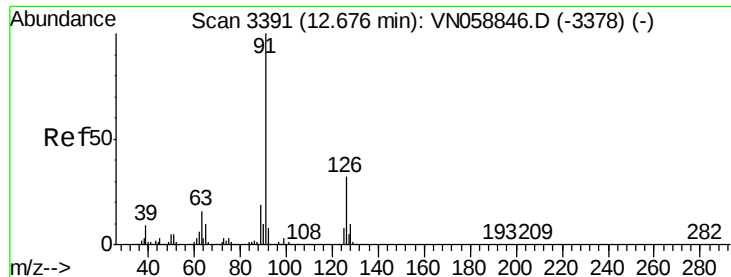
Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1538449		
120	22.0		11.1	33.1	





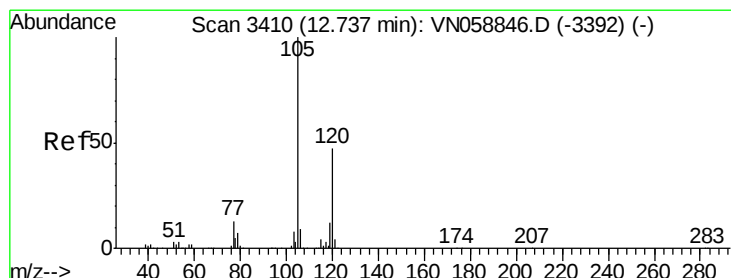
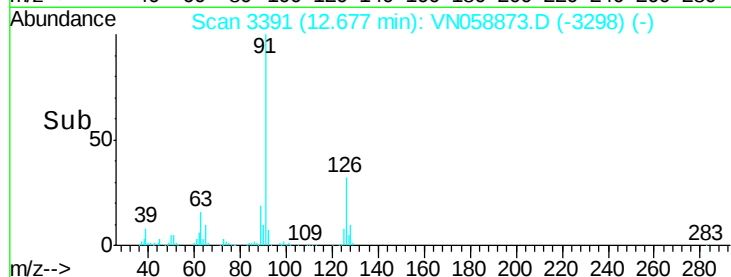
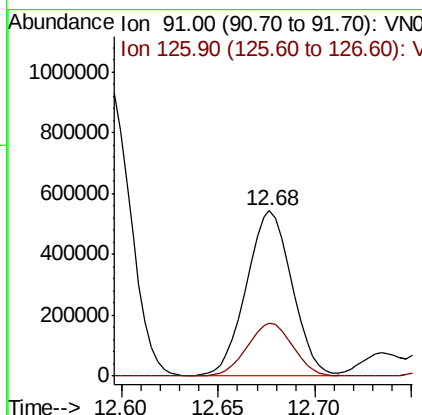
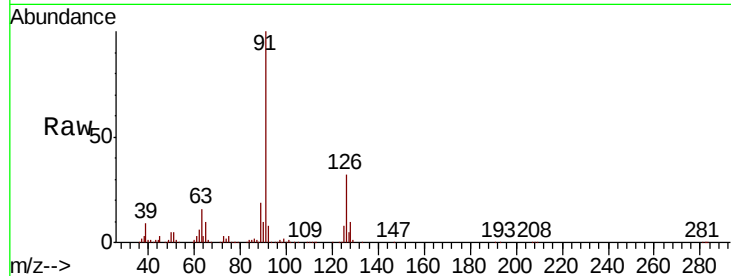
#79
 2-Chlorotoluene
 Concen: 49.656 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 887934
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.2 48.6

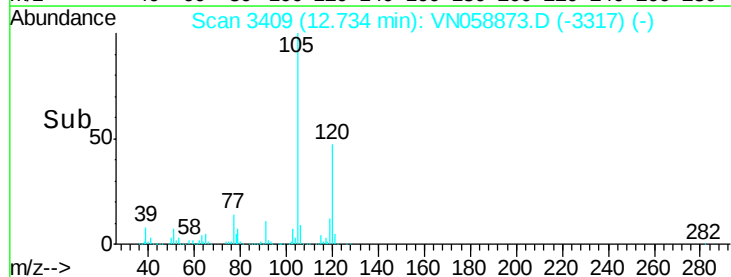
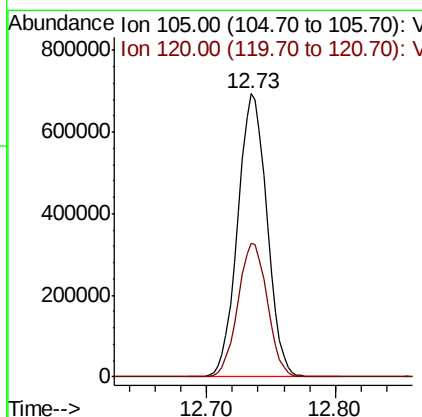
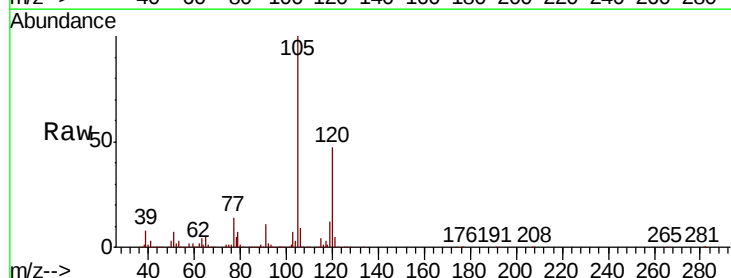
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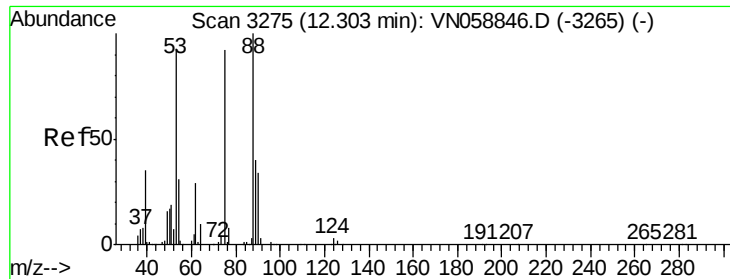
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.650 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion: 105 Resp: 1093368
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.5





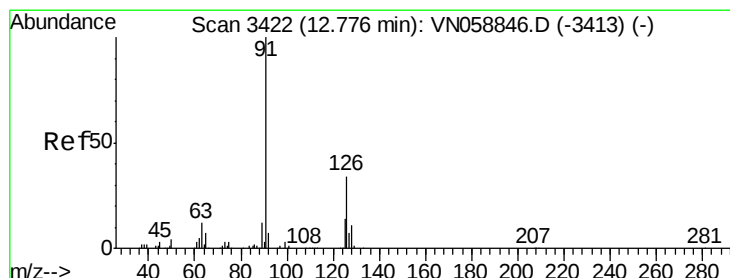
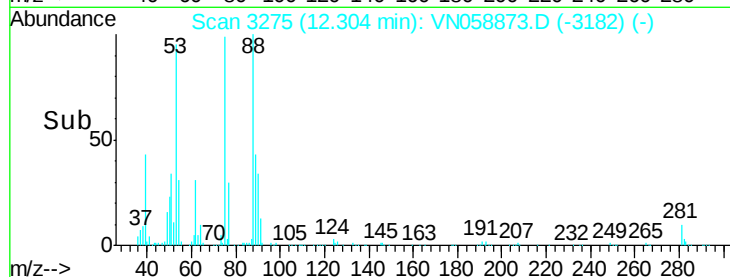
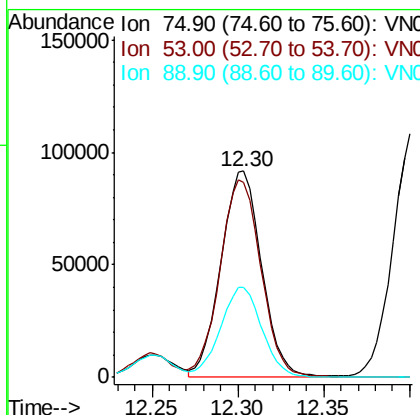
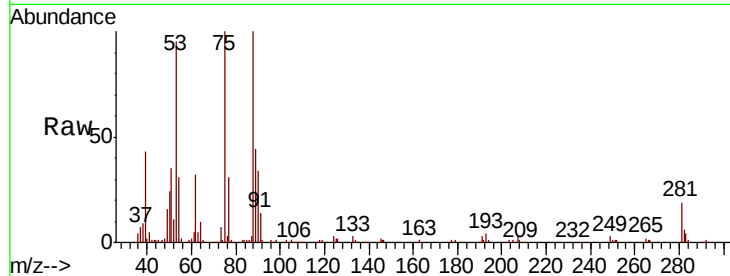
#81
trans-1,4-Dichloro-2-butene
Concen: 49.806 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	78.6	118.0
89	44.7	35.4	53.0

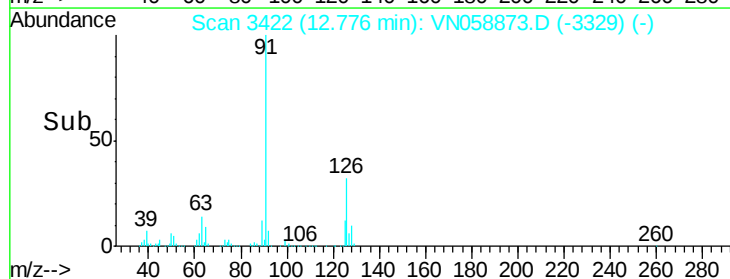
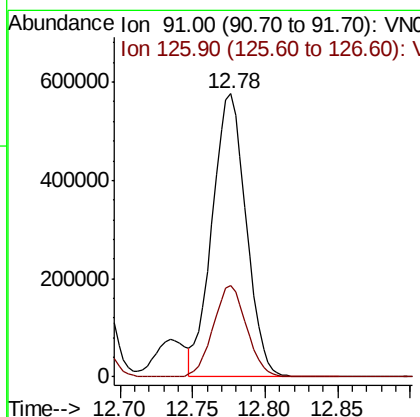
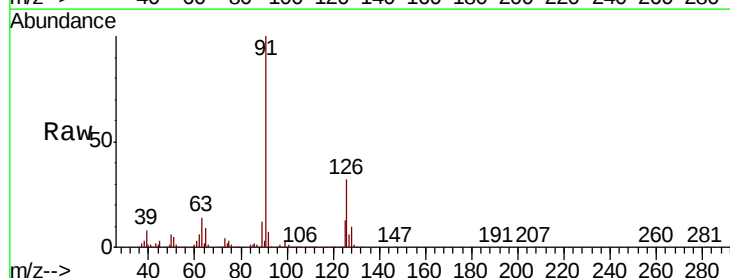
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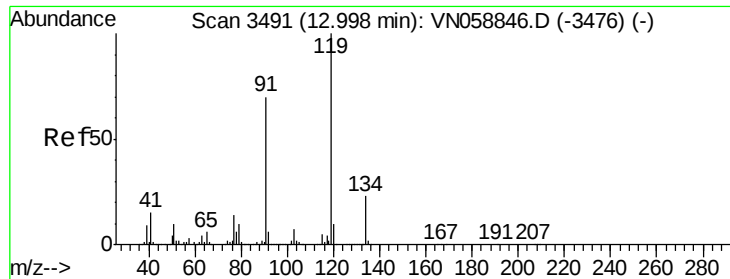
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.990 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.0	47.9





#83

tert-Butylbenzene

Concen: 50.746 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

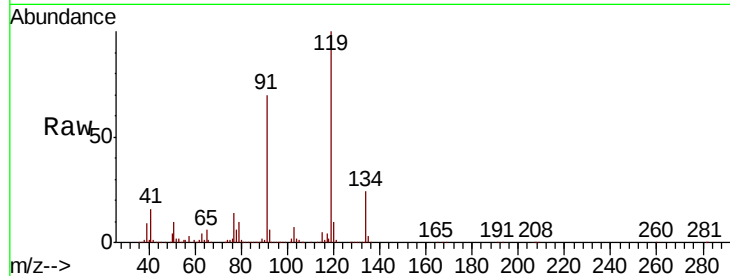
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	901166
Ion Ratio	Lower	Upper	
119	100		
91	69.3	34.1	102.3
134	23.7	11.6	34.8

Manual Integrations
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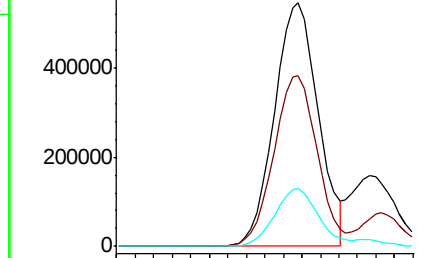
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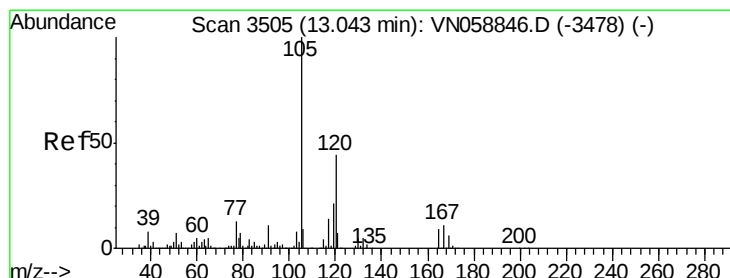
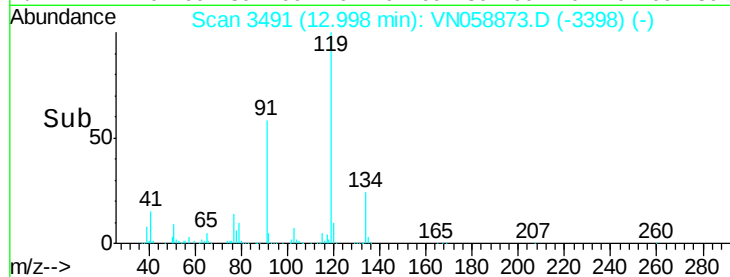
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



Time--> 12.90 12.95 13.00



#84

1,2,4-Trimethylbenzene

Concen: 53.480 ug/l

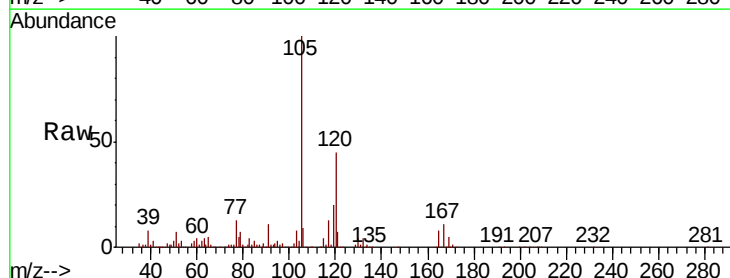
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058873.D

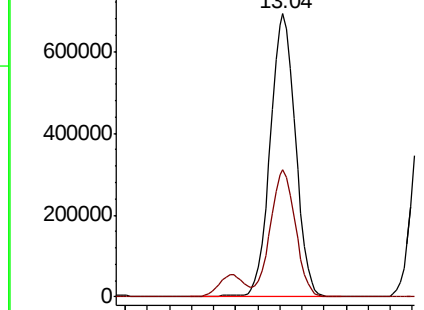
Acq: 21 Oct 2019 9:03

Tgt Ion:	105	Resp:	1095446
Ion Ratio	Lower	Upper	
105	100		
120	44.7	21.9	65.8

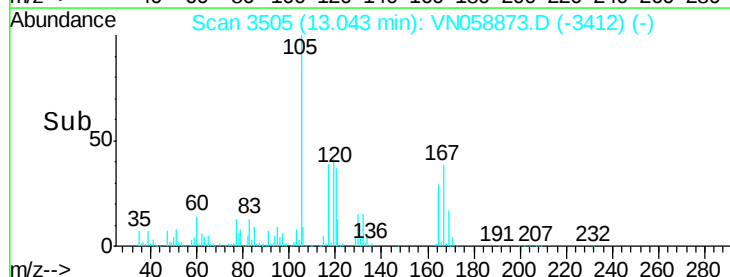


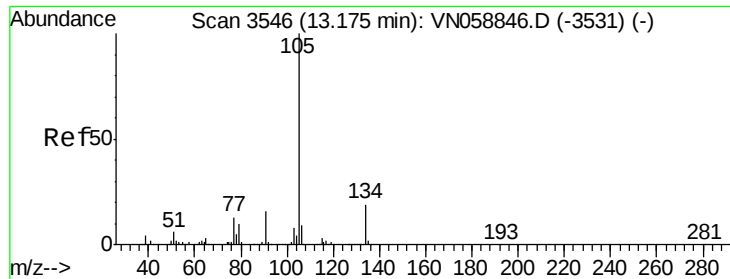
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.90 13.00 13.10





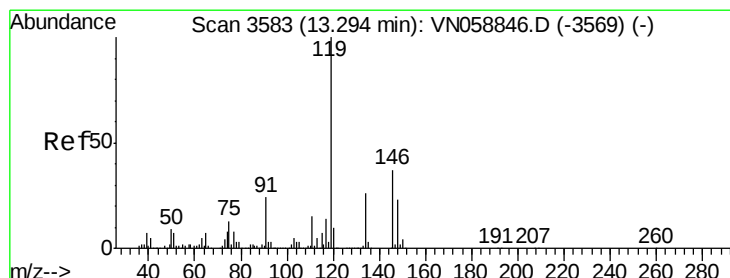
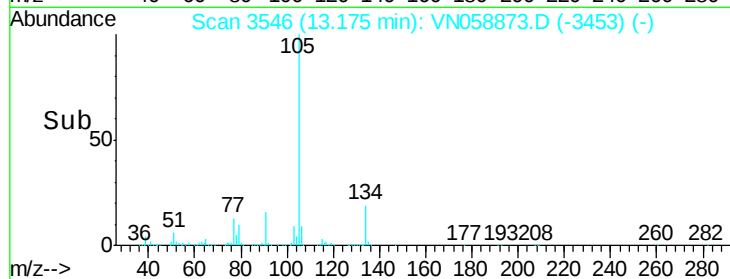
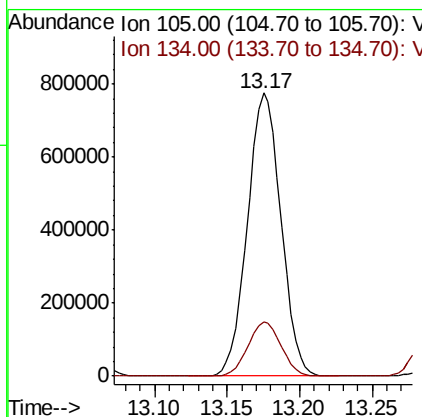
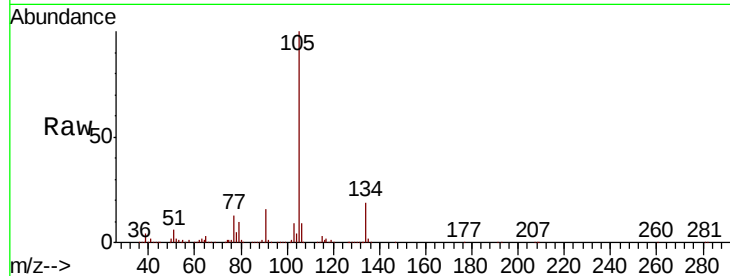
#85
 sec-Butylbenzene
 Concen: 52.625 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.4	28.2

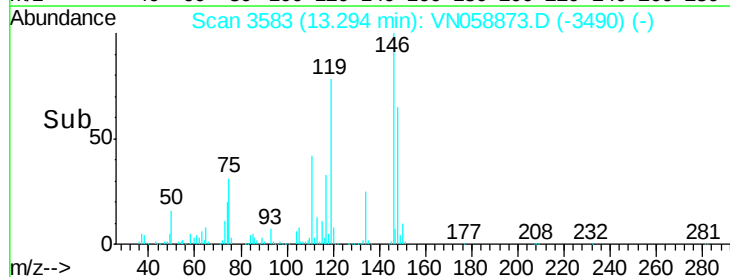
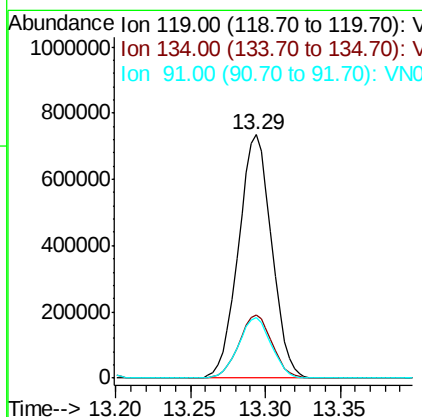
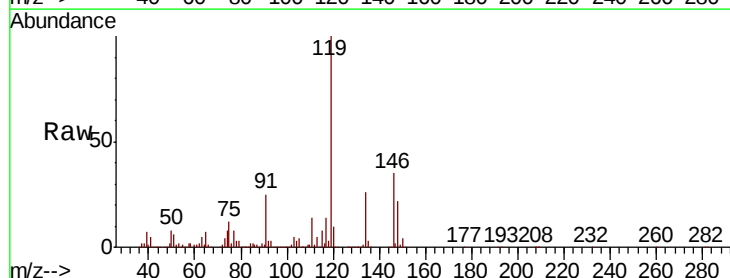
Manual Integrations
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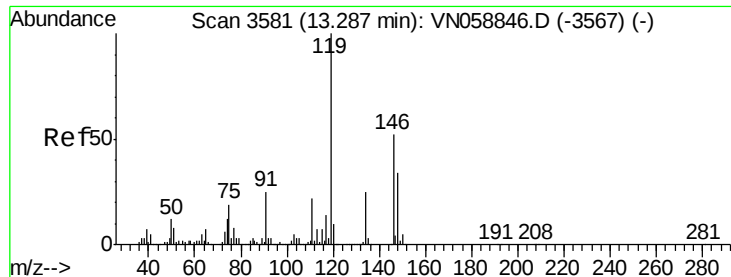
MMDadoda
 10/22/2019 4:55:11 PM



#86
 p-Isopropyltoluene
 Concen: 54.147 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.8	12.2	36.4





#87

1,3-Dichlorobenzene

Concen: 49.949 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058873.D

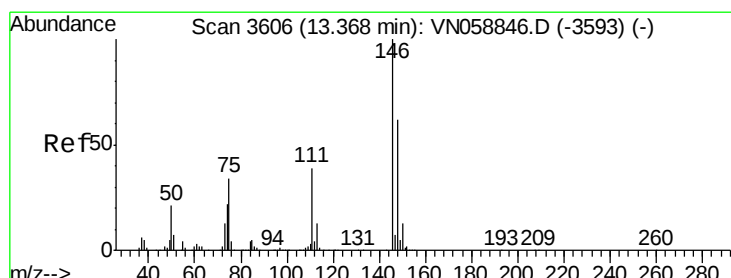
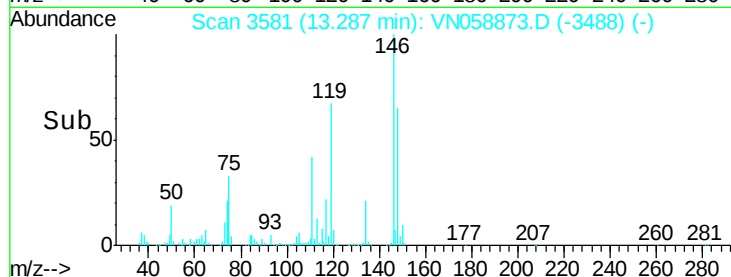
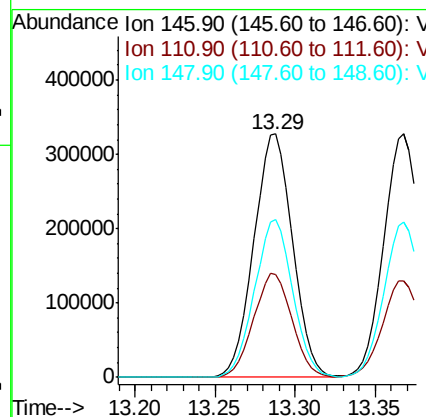
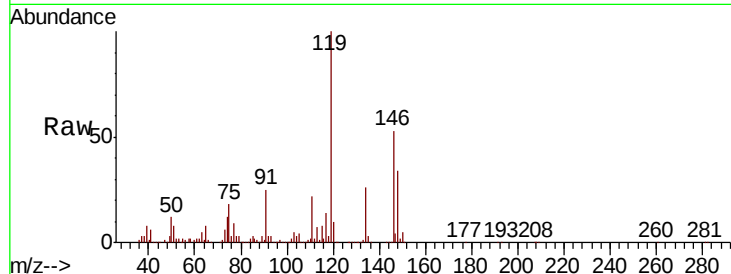
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.0	63.0
148	63.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.083 ug/l

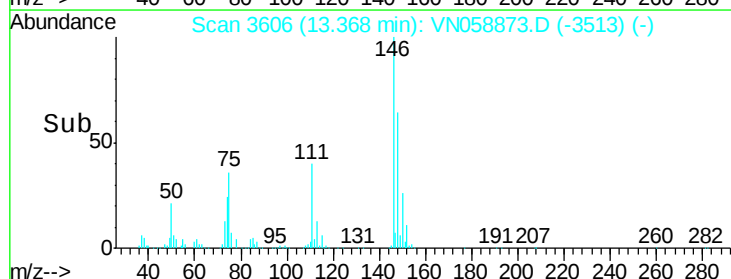
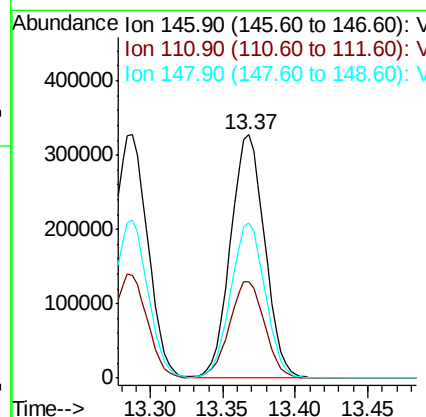
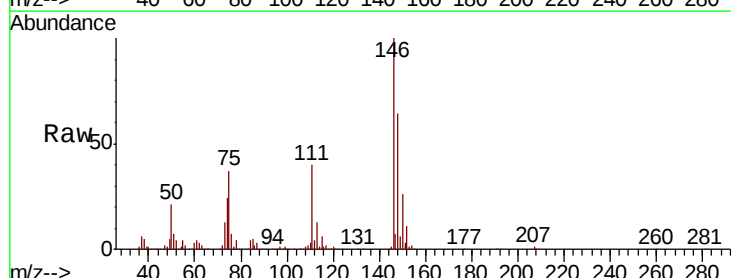
RT: 13.37 min Scan# 3606

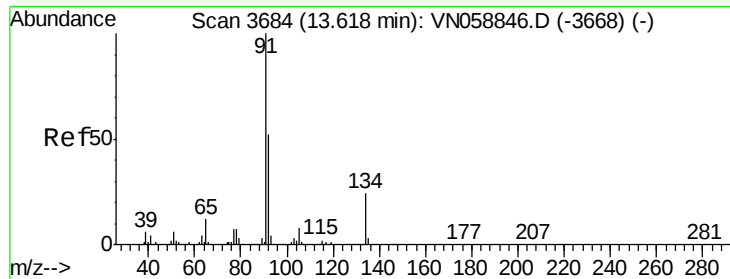
Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.2	60.6
148	64.2	31.6	94.7





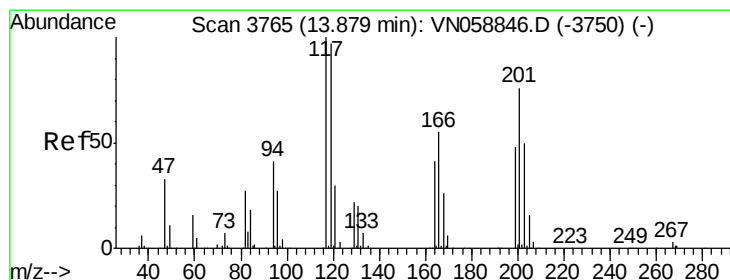
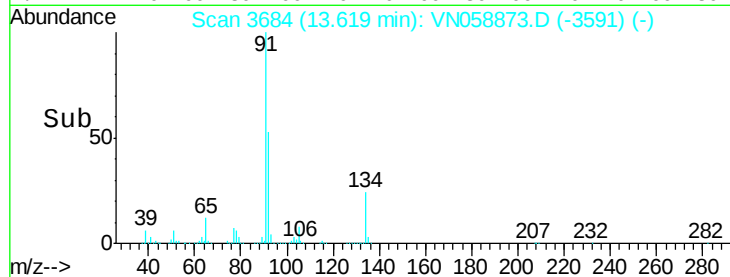
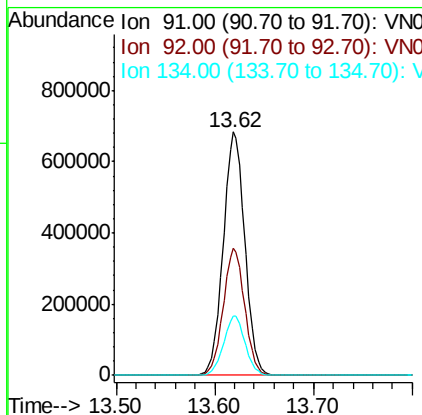
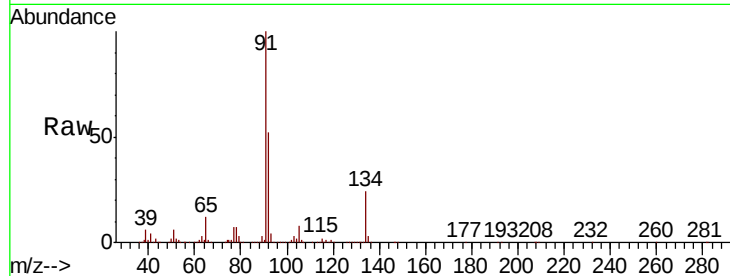
#89
n-Butylbenzene
Concen: 54.947 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1054469
Ion Ratio Lower Upper
91 100
92 51.6 25.7 77.1
134 24.3 11.9 35.5

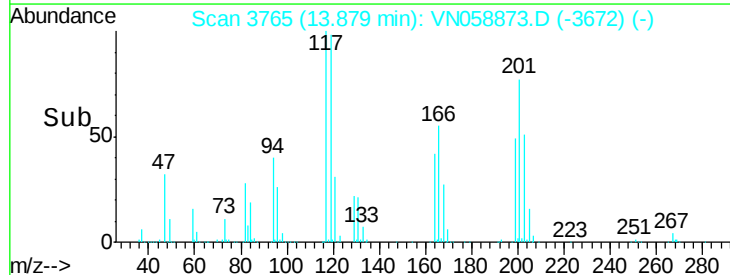
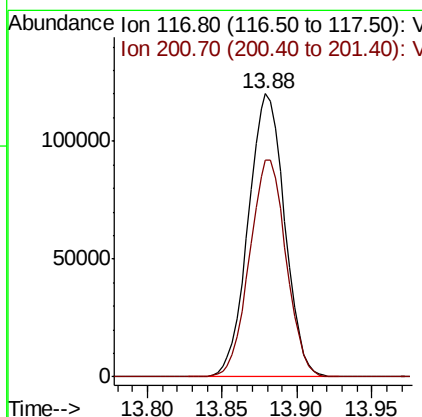
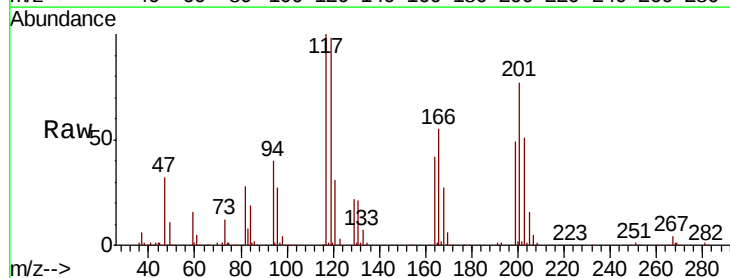
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#90
Hexachloroethane
Concen: 48.064 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058873.D
Acq: 21 Oct 2019 9:03

Tgt Ion: 117 Resp: 203465
Ion Ratio Lower Upper
117 100
201 76.9 38.9 116.6





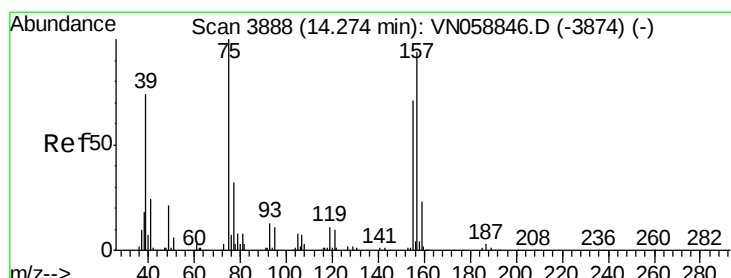
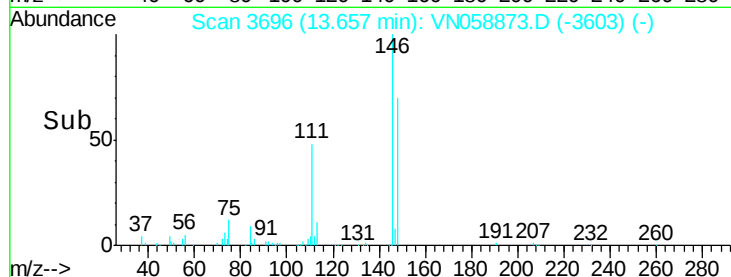
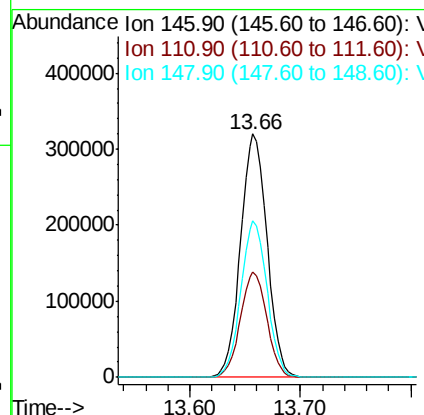
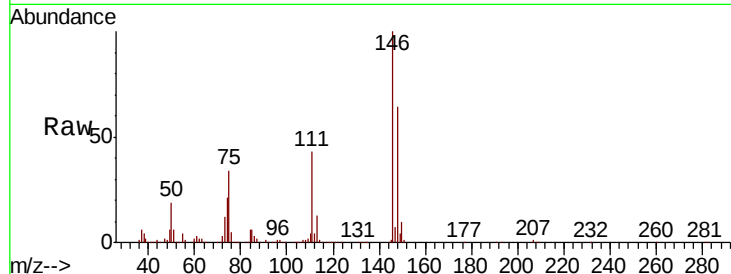
#91
 1,2-Dichlorobenzene
 Concen: 49.766 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	64.8
148	63.8	31.9	95.9

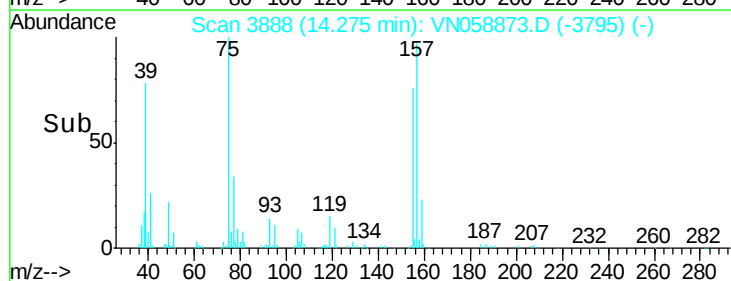
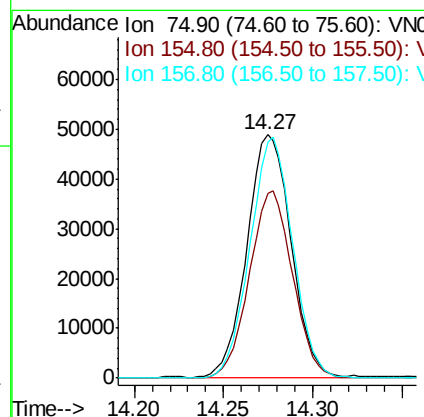
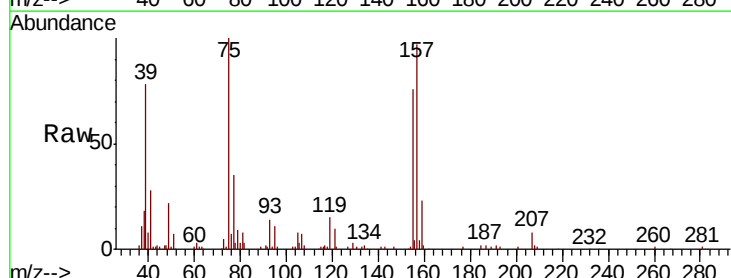
Manual Integrations
 APPROVED

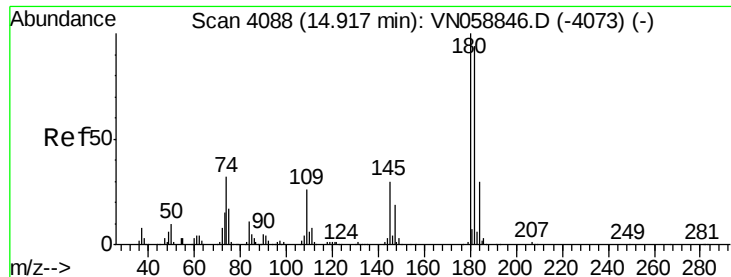
MMDadoda
 10/22/2019 4:55:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.804 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	35.6	106.8
157	96.9	47.4	142.2





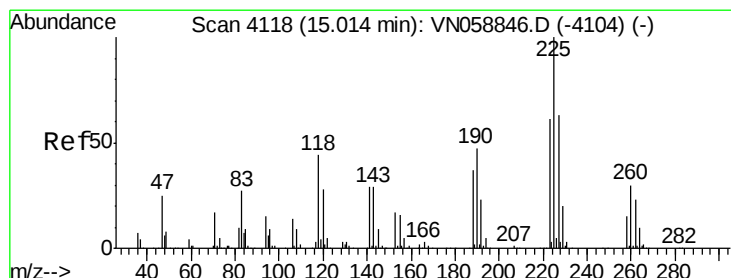
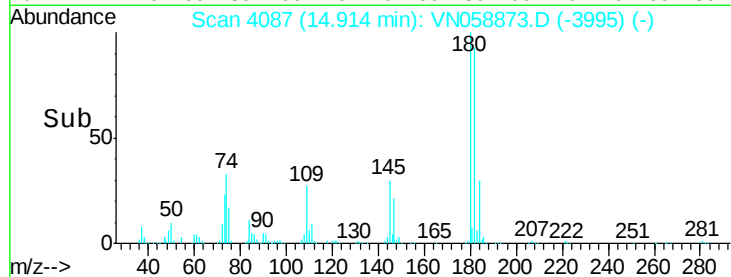
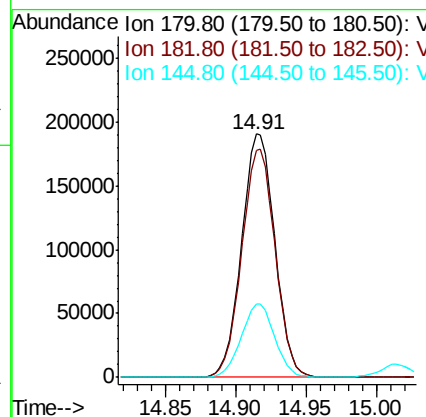
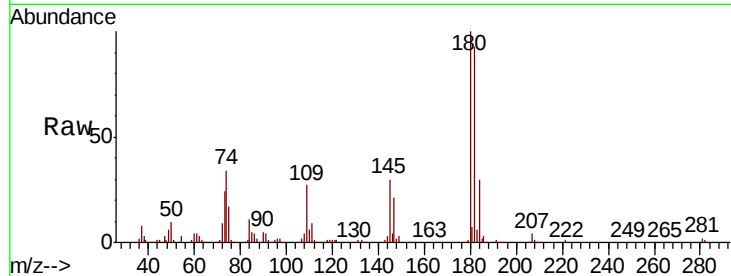
#93
 1,2,4-Trichlorobenzene
 Concen: 46.984 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	315603		
182	93.9	47.3	142.0	
145	30.5	15.3	45.8	

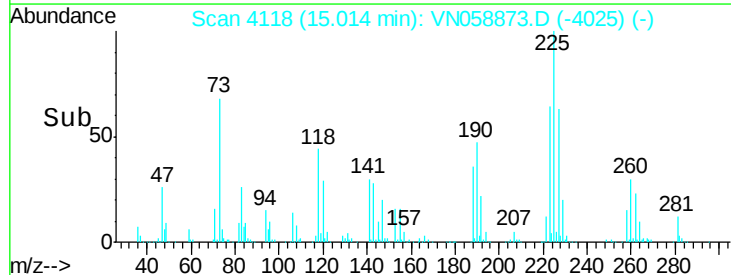
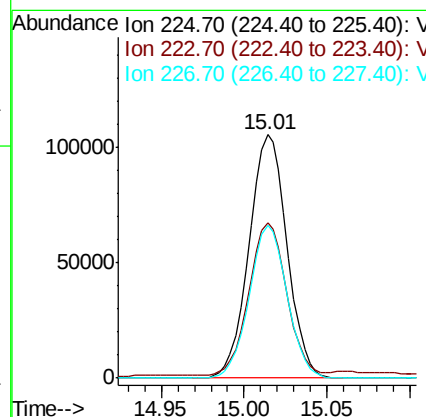
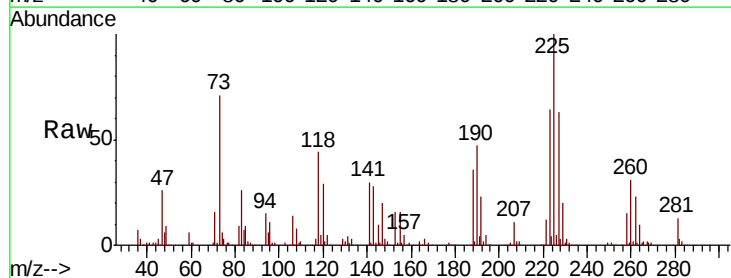
Manual Integrations
 APPROVED

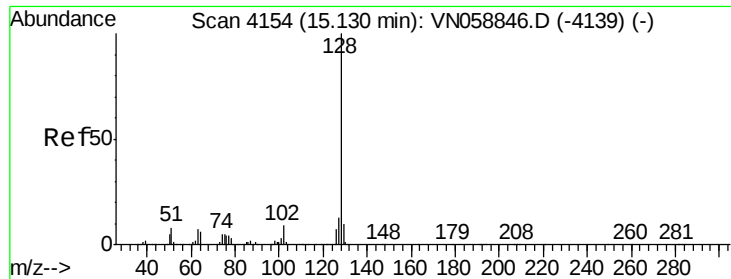
MMDadoda
 10/22/2019 4:55:11 PM



#94
 Hexachlorobutadiene
 Concen: 48.223 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058873.D
 Acq: 21 Oct 2019 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167348		
223	62.5	30.9	92.5	
227	62.4	31.6	94.7	





#95

Naphthalene

Concen: 45.928 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Instrument :

MSVOA_N

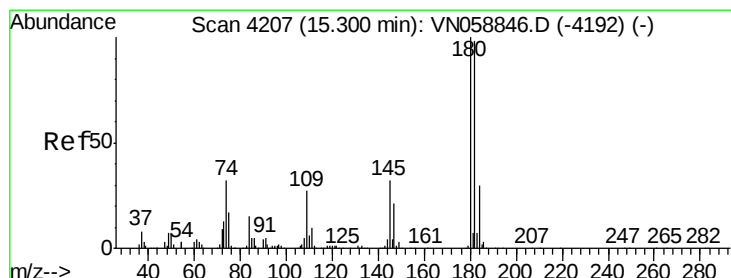
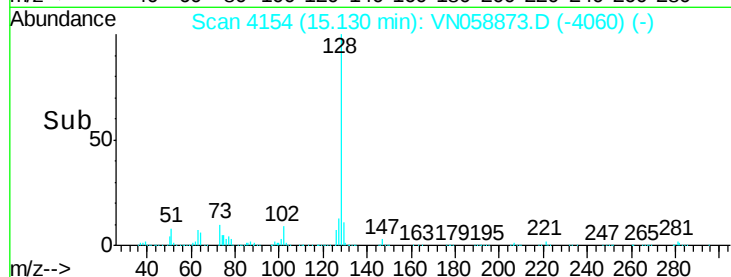
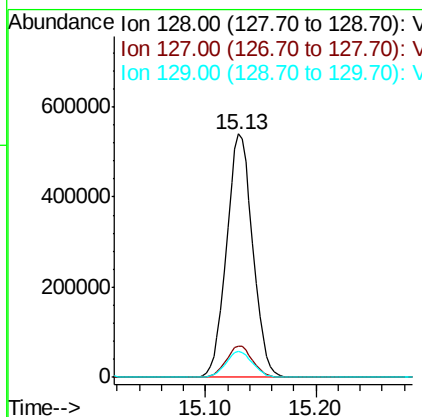
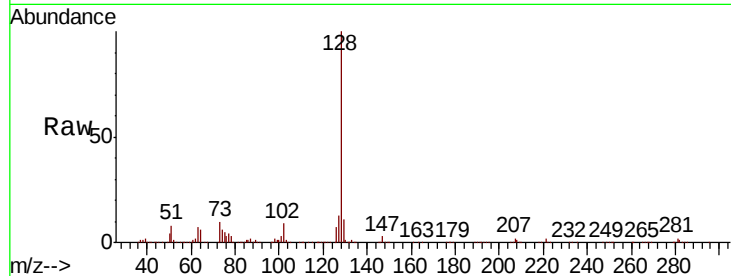
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	886072
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
10/22/2019 4:55:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.928 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058873.D

Acq: 21 Oct 2019 9:03

Tgt Ion:	180	Resp:	300030
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.7
145	32.7	15.9	47.7

